#### HARWICH PLANNING BOARD PUBLIC HEARING NOTICE

The Harwich Planning Board will hold public hearings no earlier than 6:30 PM on Tuesday, January 26, 2021 to consider the following application(s). The meeting is via REMOTE PARTICIPATION ONLY. Anyone having an interest in the application(s) is invited to access the meeting via GoToMeeting.com. Instructions regarding how to access and participate in the meeting will be posted on the Planning Board's Agenda page for the date of the meeting: <u>2021</u> <u>Planning Board Meeting Agendas | Harwich MA (harwich-ma.gov)</u>. The application and plans can be accessed using the same website link posted under Planning Board Legal Notice January 26, 2021 or by emailing the Planning Department staff.

**PB2020-33 Main Street Stone Horse, applicant & owner,** c/o William F. Riley, Esq. representative, seeks a new Use Special Permit, to convert one of the two dormitory buildings, specifically the building known as 868 Route 28, into twenty two (22) one-bedroom apartments and to amend the previously approved Site Plan Review Special Permit granted under case PB2019-13 with additional parking requirement and other waivers. The application, is pursuant to the Code of the Town of Harwich §325-51.Q (Multifamily Use) and §325-55 (Site Plan Review). The property is located 872 Route 28, Map 25, Parcel A2, is located in the CH-1 zoning district.

**PB2020-34 Cool Change LLC, Allen Harbor Marine,** applicant & owner, c/o Rob O'Neill, representative, seeks a Site Plan Review and Use Special Permit pursuant to §§325-55; 325-13, Use Table, paragraph IV.19; and 325-51to construct a 4,102 square foot commercial building for a marine use (boat maintenance and repair) and associated parking at property located at 282 Route 28, Map 12, Parcel G2-1 in the CH-1 zoning district.

Written comments may be submitted to the Planning Board at the address shown below or emailing the Planning Assistant, Elaine Banta, at <u>ebanta@town.harwich.ma.us</u>.

All documents related to the above cases are available on the Planning Board website or may be viewed by **appointment only** at the Planning Department, Town Hall, 732 Main Street, Harwich, MA 02645.

In accordance with state law, this legal notice will also be available electronically at <u>'www.masspublicnotices.org</u>.' The Town is not responsible for any errors in the electronic posting of this legal notice.

Duncan Berry, Chair Cape Cod Chronicle Print Dates: January 7 and 14, 2021

#### Terry W. Eldredge **PROJECT COORDINATOR**

Land Development, Site Planning and Design 1038 Main Street Chatham, Massachusetts 02633

### Letter of Transmittal

To:Town of Harwich Planning DepartmentFrom:Terry W. EldredgeDate:December 22, 2020Subject:THE STONEHORSE Project

Enclosed please find a total of 15 copies of the following:

This Letter of Transmittal;

- 1. Special Permit Application;
- 2. LLC Business Entity Summary;
- 3. Narrative;
- 4. List of Waiver Requests;
- 5. TOH Checklist for Site Plans;
- 6. Site Plan (3 full size and 11 reduced copies);
- 7. Orthophoto Plan (3 full size and 11 reduced copies);
- 8. Revised Floor Plans (3 full size and 11 reduced copies);
- 9. As-Built Septic and Drainage Plan by Moran Associates, LLC (3 full size and

11 reduced copies); and

- 10. Updated Drainage Calculations, including:
  - A. Area of Contribution Sketch original; and
  - B. Area of Contribution Sketch currently proposed.

Y:\Clients\Rudnick, Ron 0539 2891\STONEHORSE\2020 Modifications\Documents to be filed with the PB 2020-12-21 and 22nd\THE STONEHORSE Project LOT.docx

#### TOWN OF HARWICH PLANNING DEPARTMENT

PLANNING BOARD APPLICATION SPECIAL PERMITS & SITE PLAN REVIEW

TO THE TOWN CLERK, HARWICH, MA

DATE: December 21, 2020

#### Applicant Name(s) Main Street Stone Horse, LLC Representative/Organization (Who will serve as the primary contact responsible for facilitating this application?) William F. Riley, Esq. Resident Agent Mailing address PO Box 707 Town, ST, Zip Chatham, MA 02633 Phone 508-945-5400 Fax E-mail billriley@rileyandnorcross.com

PART A – APPLICANT INFORMATION/AUTHORIZATION

The applicant is one of the following: (please check appropriate box)

□ Representative for Owner/Tenant/Buyer\* □ ✓ Owner □ Prospective Buyer\*

□ Tenant\* □ Other\*

#### \*Written permission of the owner(s) and a municipal lien certificate (where applicable) is required.

All other forms and information as required in the Harwich Code Chapter 400, Rules and Regulations, shall be submitted as part of this application.

#### Authorization

Your signature hereby asserts, to the best of your knowledge, that the information submitted in this application is true and accurate: that you agree to fully comply with the Town of Harwich Zoning Bylaws and the terms and conditions of any approval of this application by the Planning Board; and authorizes the Members of the Planning Board and/or Town Staff to visit and enter upon the subject property for the duration of the consideration of this application.

William F. Riley, Esq. Resident Agent and SOC Signatory	A
Applicant Ronald S. Rudnick, Manager	Jonald Andreed

Owner(s) – Authorization must accompany application if the owner is not the applicant.

Official use only:

PLANNING DEPARTMENT	TOWN CLERK
---------------------	------------

Case #

FORM A



#### PART B – PROJECT LOCATION

868 Rte. 28 Village/Zip Code		
Dd Bk 31,890, Pg. 119		
Map 25, Parcels A1, A2, and	A4-18	
CH-1 *Historic? NA		
1,603.75′		
113,779 s.f.		
.f.) 113,779 s.f. Wetlands (s.f.) None		
	Dd Bk 31,890, Pg. 119 Map 25, Parcels A1, A2, and CH-1 1,603.75' 113,779 s.f.	

#### PART C – PROJECT DESCRIPTION

Existing Floor Area in Sq. Ft	Gross: 15,606	Net:	
Proposed Floor Area in Sq. Ft		Net:	
Change in Sq. Ft + / -	Gross:	Net:	
Existing # of parking spaces	17 existing, Proposed # of parking spaces: 33		
Existing Use(s)	) 42-bedroom dormitory		
Attach a separate narrative if necessary.	<i>Rte. 28</i>		

The undersign hereby files an application with the Harwich Planning Board for the following special permits as proposed under the provisions of the Harwich Zoning Code: (*check all that apply*)

#### Site Plan Review § 325-55:

Any floor area expansion of any structure or expansion of exterior space, other than parking, serving any of the following: commercial, industrial, multi-family or educational use or personal wireless service facility or the creation of a drive-up or drive-through window

Expansion or reconfiguration of an existing parking lot and/or driveway(s) serving said parking lot.

Establishment of any new commercial, industrial, multi-family, educational, fast food/take out restaurant or personal wireless service facility.

Establishment of any new retail use(s) in the Industrial (IL) Zone.

□ Waiver of Site Plan § 325-55.F

#### Article V, Use Regulations:

□ Paragraph\_\_\_\_\_, sub-paragraph #\_\_\_\_\_ □ Paragraph\_\_\_\_\_, sub-paragraph #\_\_\_\_\_

□ Paragraph\_\_\_\_, sub-paragraph #\_\_\_\_, supplemental regulation #\_\_\_\_§ 325-14

#### Article X, Special Permits:

□ Structures w/ gross floor area of 7,500+ s.f. § 325-51

□ Structures requiring 20 or more new parking spaces § 325-51

□ Accessory Apt./Shared Elderly Housing § 325-51.H □ Mixed Use § 325-51.M

□ Drinking Water Resource Protection § 325-51.C □ Two Family § 325-51.N

□ Village Commercial, Harwich Port § 325-51.L □ \*Harwich Center Overlay § 325-51.O

□ Signage § 325-27.F Additional Cluster, Excess SF, Non-entry Facades

#### Other Special Permits:

Six Ponds Special District - Article XVI

□ Wind Energy Systems - Article XVIII □ Large Scale Wind Generation – Article XIX

□ ✓ Other (i.e. Alternate Access § 325-18.P, Special Cases § 325-44.B) Multi Family. § 325-51.Q

□ Repetitive Petition (MGL Ch 40A, §16): Proposed project evolved from a previously denied plan submitted to the Planning Board on\_\_\_\_\_Year/Case #\_\_\_\_\_

\*Note: Projects within the Harwich Center Overlay District may also be within the Harwich Center Historic District. This requires separate filing with the Historic District and Historical Commission. Please inquire for forms and instructions.



Revised page 2 of application PB 2020-33

#### PART B - PROJECT LOCATION

Legal Street Address		Village/Zip Code	
Title Book/Page or L.C.C. #	Book 31890, Page 119		
Map(s) / Parcel(s)	Map 25, Parcel A2		
Zoning & Overlay Districts	CH-1 *Historic?		
Frontage (linear feet)	589.16 ft.,184.65 ft.6	79.34 ft.	
Total land area (s.f.)	113,779 sq. ft.		
Upland (s.f.)	113,779 sq. ft.	Wetlands (s.f.) None	

#### PART C - PROJECT DESCRIPTION

Existing Floor Area in Sq. Ft	Gross:15,606 sq.	ft. Net:		
Proposed Floor Area in Sq. Ft Change in Sq. Ft + / -	Gross: Na abana	Net:		
Change in Sq. Ft + / -	Gross: No change	Net:		
Existing # of parking spaces	1.7 Prop	osed # of parking spaces: 31		
Existing Use(s)	Dormitory in two	Buildings		
Proposed Use(s)	Dormitory in one	building; multi family one		
Attach a separate narrative if necessary.	bedroom apartme	nts in one building.		

The undersign hereby files an application with the Harwich Planning Board for the following special permits as proposed under the provisions of the Harwich Zoning Code: (*check all that apply*)

#### Site Plan Review § 325-55:

□ Any floor area expansion of any structure or expansion of exterior space, other than parking, serving any of the following: commercial, industrial, multi-family or educational use or personal wireless service facility or the creation of a drive-up or drive-through window

Expansion or reconfiguration of an existing parking lot and/or driveway(s) serving said parking lot.

Establishment of any new commercial, industrial, multi-family, educational, fast food/take out restaurant or personal wireless service facility.

Establishment of any new retail use(s) in the Industrial (IL) Zone.

□ Waiver of Site Plan § 325-55.F

#### Article V, Use Regulations:

□ Paragraph\_\_\_\_, sub-paragraph #\_\_\_\_\_ □ Paragraph\_\_\_\_, sub-paragraph #\_\_\_\_\_ □ Paragraph\_\_\_\_\_, sub-paragraph #\_\_\_\_, supplemental regulation #\_\_\_\_\_ § 325-14

#### Article X, Special Permits:

□ Structures w/ gross floor area of 7,500+ s.f. § 325-51

□ Structures requiring 20 or more new parking spaces § 325-51

□ Accessory Apt./Shared Elderly Housing § 325-51.H □ Mixed Use § 325-51.M

- □ Drinking Water Resource Protection § 325-51.C □ Two Family § 325-51.N
- □ Village Commercial, Harwich Port § 325-51.L □ \*Harwich Center Overlay § 325-51.O
- □ Signage § 325-27.F Additional Cluster, Excess SF, Non-entry Facades

#### **Other Special Permits:**

Six Ponds Special District - Article XVI

Wind Energy Systems - Article XVIII	Large Scale Wind Generation – Article XIX	
		OOF FTO

X Other (i.e. Alternate Access § 325-18.P, Special Cases § 325-44.B) Multi Family, Section 325-510

Repetitive Petition (MGL Ch 40A, §16): Proposed project evolved from a previously denied plan submitted to the Planning Board on Year/Case #

\*Note: Projects within the Harwich Center Overlay District may also be within the Harwich Center Historic District. This requires separate filing with the Historic District and Historical Commission. Please inquire for forms and instructions.

September 2011

Г

### **Corporations Division**

#### **Business Entity Summary**

#### ID Number: 001373329

**Request certificate** 

**New search** 

#### Summary for: MAIN STREET STONE HORSE, LLC

Entity type: Dom	estic Limited Liability Comp	any (LLC)
Identification Nu	· ·	
	tion in Massachusetts:	
		Last date certain:
The location or a location or a		<b>s are maintained</b> (A PO box is not a valid
Address: 1455 MA	IN STREET	
City or town, State Country:	, Zip code, CHATHAM,	MA 02633 USA
The name and ad	ldress of the Resident Ag	ent:
Name: WILLIAM	F. RILEY	
Address: 156 CRO	WELL ROAD	
City or town, State Country:	, Zip code, CHATHAM,	MA 02633 USA
The name and bu	isiness address of each N	1anager:
Title	Individual name	Address
MANAGER	RONALD S. RUDNICK	1455 MAIN STREET CHATHAM, MA 02633 USA
		and business address of the person(s) led with the Corporations Division:
Title	Individual name	Address
SOC SIGNATORY	WILLIAM F. RILEY	156 CROWELL ROAD - PO BOX 707 CHATHAM, MA 02633 USA
	liver, and record any rec	rson(s) authorized to execute, ordable instrument purporting to affect an
Title	Individual name	Address
REAL PROPERTY	RONALD S. RUDNICK	1455 MAIN STREET CHATHAM, MA 02633 USA
	Confidenti Consent Data	al Merger Allowed Manufacturing

ALL FILINGS	
Annual Report	
Annual Report - Professional	
Articles of Entity Conversion	
Certificate of Amendment	•
View filings	
Comments or notes associated with this business entity:	
Comments or notes associated with this business entity:	
Comments or notes associated with this business entity:	
Comments or notes associated with this business entity:	
Comments or notes associated with this business entity:	11

New search

#### NARRATIVE

DATE:December 21, 2020PROPERTY:868 Route 28, South Harwich, MAPETITIONER:Main Street Stone Horse, LLC

#### SITE PLAN SPECIAL PERMIT

Since the grant of the special permit by the Harwich Planning Board for the construction of two- (2) dormitory buildings and appurtenances on May 14, 2019 (Case No.: PB2019-13), the Applicant has in accordance with the special permits constructed two new dormitory buildings and rehabbed the existing office building with a total of 90 bedrooms and has sustainably completed the hardscape and landscape as shown on the site plan approved by the Board.

The Applicant seeks to modify the north building at 868 Rte 28 from 42 bedrooms to a multi-family structure containing 22 one bedroom apartments.

Due to changes in the economy as a result of the COVID-19 pandemic the building as currently constructed is uneconomic. At the time of the construction of the buildings, many employers of seasonal help entered into an agreement with the Applicant that would utilize all the bedrooms constructed on the site.

As a result of the pandemic regulations closing our borders to foreign workers, the companies with whom the Applicant is working with have suggested that one bedroom apartments would be of greater utility for local year round work force who find it difficult to find housing. In addition, the one bedroom apartments are more desirable for higher level employees.

The modified project will have 20 fewer bedrooms which will reduce sewage flow on the site by 2,200 gallons per day.

The modified project is required to have 5% of the total number of units be handicap accessible. A total of 70 dormitory bedrooms/apartments will exist if this project is approved. Therefore, 4 handicap units must be handicap accessible. The existing office/dormitory building at 875 Rte 28 has **one** handicap bedroom, the south building at 860 Rte 28 has **two** handicap bedrooms and the north building will have **one** handicap apartment for **a total of 4 handicap bedrooms/apartments**.

Under the previously approved Planning Board Special Permit, 20 rooms were approved for year round use. The Applicant now requests that there be 22 bedrooms/apartments approved for year round use. The nominal number of parking spaces required for the dormitory and apartment use is 83 spaces. The Applicant previously proposed providing 17 spaces as originally approved by the Planning Board; and an additional 16 spaces are now proposed for a total of 33 spaces. A parking waiver is required and is requested as a part of this filing.

There will be no exterior changes to the buildings or the landscaping.

With the increase in hardscape, an addition leach pit will be required for drainage system 1, which handles the runoff from the parking area to be expanded. There will be no changes to the sewage system installed.

The layout of walkways, patios, driveways, and parking areas were field adjusted as shown on the Site Plan.

There are (6) fire hydrants located within 500 feet of the subject property. There are four (4), within 50 feet of the subject property, which includes one (1) installed on the subject property as part of the originally approved project. Also, the new dormitory buildings are both sprinkled for fire safety.

Fire access for apparatus and equipment is provided to all sides of the buildings, from Rte 28, Old County Road, the driveway from Rte 28 to Old County Road and the driveway paralleling Rte 28.

There will be no exterior changes to the property with the exception of additional parking spaces.

#### THE STONEHORSE PROJECT 868 ROUTE 28 Assessors MAP 25, PARCELS A1, A2, and A4-18 ZONING DISTRICT C-H-1 LIST OF WAIVERS REQUESTED

1. Notations stating approval and/or restrictions of the Board of Health:

#### Shown on Site Plan.

2. Mark Areas set aside for Conservation and/or Recreational Use:

NA as there are no wetlands on subject site and recreational use will be on the patios and the greenspace of the property.

3. <u>Dumpsters</u>:

A site for two dumpsters are depicted on the Site Plan. While offsets to the property lines have not been shown, the space clearly meets the setbacks as it's so far form any property or street line.

4. Maneuvering Areas:

NA, existing maneuvering area is provided, with the exception of the existing parking along Deep Hole Road.

5. Existing Driveways:

Existing driveways within 100 feet of the site are shown on the Orthophoto Plan.

6. Sidewalks:

Sidewalks are not shown because there are no sidewalks in the area and none are planned.

7. Freestanding Signs:

There is an existing freestanding sign, and no other freestanding signs are requested, with the exception of the handicap signage.

8. Stopping Sight Distance:

The driveways along Route 28 have existed for over 70 years and have been adequate. The only previously proposed driveway that connects Old County Road with Route 28 has more than adequate stopping sight distance.

9. Traffic Circulation:

Traffic will be two way, so circulation arrows are not required.

10. Waterlines:

Town water has been installed at the site and is shown on the Site Plan

#### 11. Electrical:

Electrical service lines had been installed and is shown on the Site Plan.

#### 12. Gas:

Natural gas is not used on the project.

#### 13. Cable:

The cable line is overhead from Route 28 to the Dormitory/Office building and then underground as shown on the Site Plan.

#### 14. Lighting:

Outside lighting has been installed on the buildings and outside ground lighting has been installed for the South building and parking area running parallel to Route 28. The wiring for outside ground lighting has been installed for the North building.

#### 15. Curbing:

Curbing has been installed for the parking area running parallel to Route 28. Six wheel stops are proposed for the northerly parking lot. We request a waiver for any additional curbing or wheel stops.

#### 16. Retaining Wall:

No new retaining walls are planned.

#### SUBDIVISION OF LAND AND SITE PLAN SPECIAL PERMITS

#### 400 Attachment 4

#### Town of Harwich

#### Appendix 4 Requirements for Applications and Plans

#### Appendix 4.A Special Permits including Site Plan Review

				ial Permit and e Plan Review	
	Contents Required	Existing	Proposed	Site Plan Waiver	
General Filing	Two <b>completed applications</b> signed by the owner(s) or an agent authorized in writing by the owner to do so (such written authorization must also be submitted when filing the plan). All applications to the Board are to be signed by the owner of record or his authorized representative. Proof of authorization shall be submitted.		YES	YES	
	Two copies of the list of <b>waivers</b> being requested.		YES		
	Two copies of the <b>municipal lien</b> <b>certificate</b> from the Town Treasurer indicating that all taxes, assessments and charges have been <b>paid in full</b> . The applicant shall be responsible for the cost of obtaining such certificate.		YES	YES	
	Two copies of notarized affidavit. NA		essory apartm amily dwelling		
	Two copies of covenant for WRPD. NA				
	Two copies of a brief <b>narrative</b> describing the proposed project.		YES	YES	
	Six full-size Plans: 24 inches by 36 inches standard, with a 1/4-inch border, at a scale of not smaller than 1-inch equals 40 feet horizontal; 1-inch equals 4 feet vertical on profiles.	YES	YES		
	Eleven reduced copies no smaller than 8 inches by 11 inches and no larger than 11 inches by 17 inches with a 1/4-inch border.		YES	YES	

#### HARWICH CODE

		Special Permit and Site Plan Review		
	Contents Required	Existing	Proposed	Site Plan Waiver
General Filing (cont'd)	Two sets of drainage calculations and drainage area map prepared, stamped and signed by a registered professional engineer designed in compliance with Massachusetts Department of Environmental Protection Phase II Stormwater Regulations Best Management Practice.	YES	YES	
	Six copies of hydrogeologic impact statement. NA		DWRPD	
	A <b>filing fee</b> consistent with the fee schedule.		YES	YES
General Plan	Assessor's map and parcel.	YES	YES	YES
Contents	Zoning districts and boundaries.	YES	YES	YES
	Zoning Compliance Table – see Table 6	YES	YES	YES
	Detailed calculations for required parking – see Article IX of the Zoning Bylaw.		YES	YES
	Legend of all symbols.	YES	YES	YES
	Title block: the respective plan title, date of plan preparation and revisions.	YES	YES	YES
	The name (or names) of the registered professional engineer and/or land surveyor, along with their seal or certification, as applicable, and signatures of each person responsible for the preparation of the plan.	YES	YES	
	Names and addresses of owner(s) of record, petitioner(s) and property deed and plan references.	YES	YES	YES
	Names, deed and plan references of all <b>direct abutters</b> as they appear in the most recent tax list and approximate location of intersecting boundary lines of the abutting land.	YES	YES	

#### SUBDIVISION OF LAND AND SITE PLAN SPECIAL PERMITS

		Special Permit and Site Plan Review		
	Contents Required	Existing	Proposed	Site Plan Waiver
General Plan Contents (cont'd)	Scaled locus map sufficient to determine the actual location of the property in question and showing the intersection of 2 major roads.	YES	YES	YES
	Plan scale, graphic scale and North arrow.	YES	YES	YES
	If multiple sheets are used, they shall be accompanied by an index showing the entire subdivision. <b>NA</b> , <b>not a sub</b>	YES	YES	YES
	Notations indicating any variances granted for the property. add <b>PB SP</b>	YES	YES	
	Notations stating approval and/or restrictions of the Board of Health. ✓	YES	YES	YES
	Total area and dimensions of the parcel in square feet and acres. $\checkmark$	YES	YES	YES
	Gross area of wetlands $NA$ and uplands for the total parcel in square feet, acres and percentage. $\checkmark$	YES	YES	YES
	The topography of the land in two-foot increments. one'	YES	YES	
	Mark area(s) subject to the Wetlands Protection Act as defined by MGL c. 131, § 40 within 100 feet of any disturbance or alteration on the site and approval and/or restriction of the Conservation Commission or the Planning Board (Six Ponds Special District) within 100 feet. NA	YES	YES	
	Mark areas set aside for conservation and/or recreational use. NA	YES	YES	
Detailed Plan	Location, dimensions and setbacks for:			
Contents	Structures ✓	YES	YES	
	Parking areas, spaces and facilities add set	YES	YES	
	Dumpsters (to be enclosed by fence) add	YES	YES	
	Service areas NA	YES	YES	
	Loading areas NA	YES	YES	

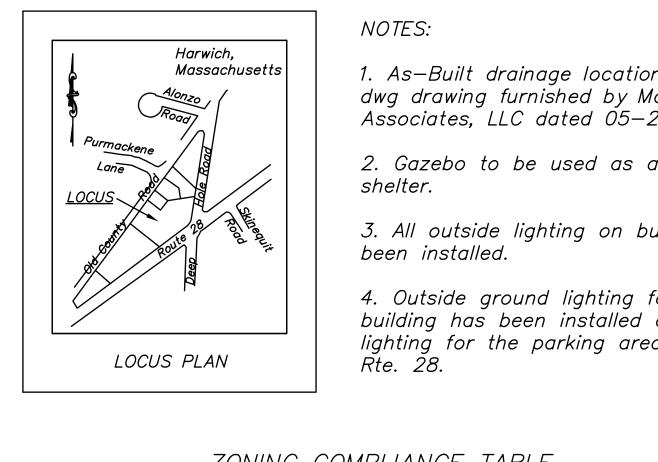
			ecial Permit a ite Plan Revi	
	Contents Required	Existing	Proposed	Site Plan Waiver
<b>Detailed Plan</b>	Maneuvering areas 🗸	YES	YES	
Contents (cont'd)	Driveways and curb cuts $\checkmark$	YES	YES	
(cont'd)	Existing driveways within 100 feet of site $\checkmark$	YES	YES	
	Sidewalks NA	YES	YES	
	Lighting 🗸	YES	YES	
	Easements add	YES	YES	
	Freestanding signs 🗸	YES	YES	
	Surface drainage NA	YES	YES	
	Subsurface drainage ✓		YES	
	Drainage facilities 🗸		YES	
	Impervious surfaces 🗸		YES	
	Subsurface disposal systems 🗸		YES	
	Sewage disposal 🗸	YES	YES	
	Drainage plan showing the method for disposing of runoff from impervious surfaces ✓		YES	
	Stopping sight distance for all vertical curves and intersections according to Table 1 ✓		YES	
	Traffic circulation arrows NA		YES	
	Utilities			
	§ Waterlines ✓	YES	YES	
	§ Hydrants ✓	YES	YES	
	§ Electrical ✓	YES	YES	
	§ Gas NA	YES	YES	
	§ Cable ✓	YES	YES	
	§ Other	YES	YES	
	Specifications, details, cross sections for:			
	§ Lighting existing/previously approved		YES	
	§ Curbing Rte. 28 parking		YES	

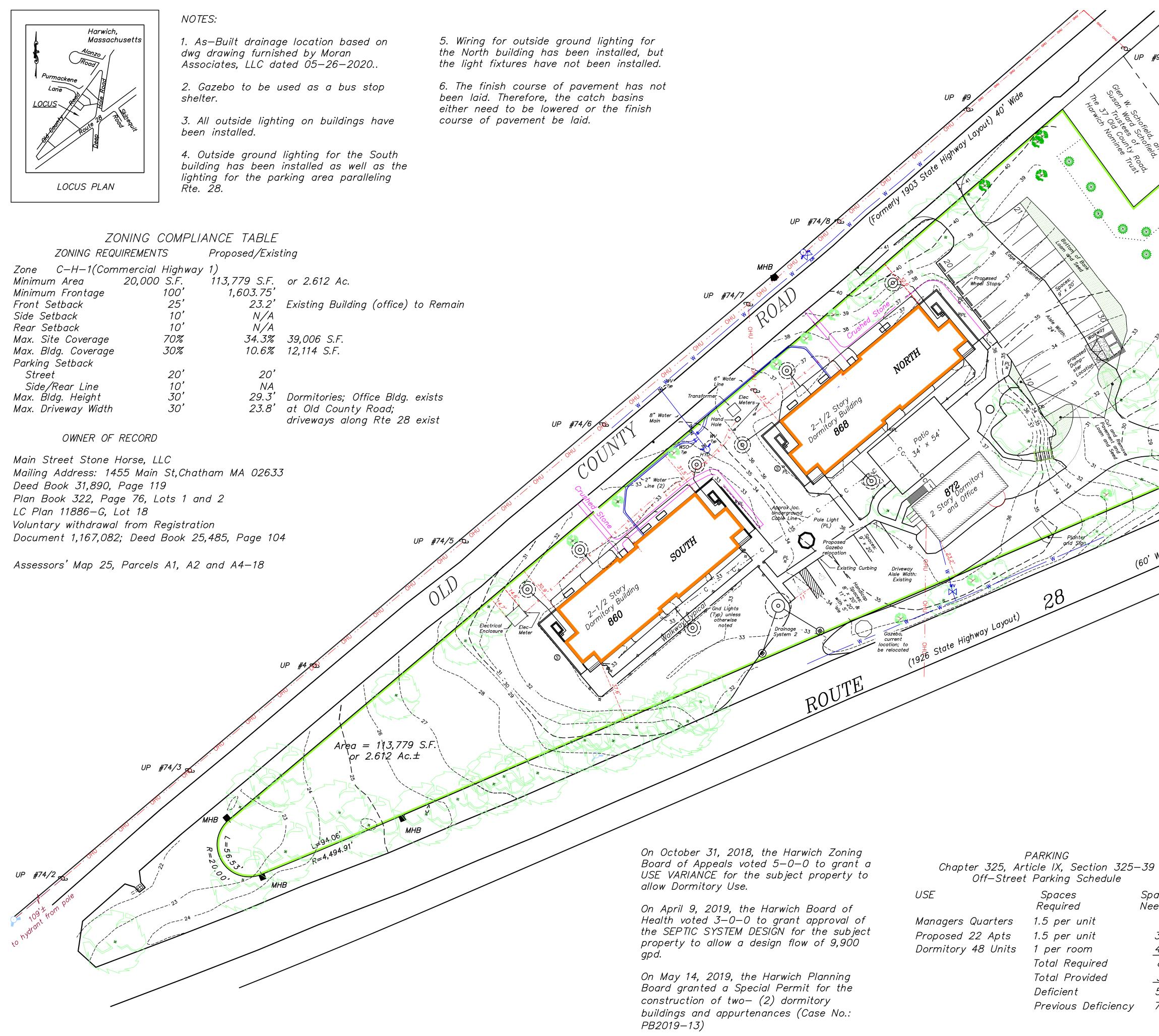
#### HARWICH CODE

			ecial Permit a ite Plan Revi		
	Contents Required	Existing	Proposed	Site Plan Waiver	
Detailed Plan	§ Fencing NA		YES		
Contents (cont'd)	§ Retaining walls NA		YES		
(cont u)	§ Parking ✓		YES		
	§ Wheel stops shown in northly parking lot		YES		
Landscaping Plans	General location of trees, trees having a caliper of 6 inches or more, landscaping, wetlands or other significant natural features. ✓		YES		
	Detail of proposed landscaping. existing		YES		
	Minimize loss of trees. ✓		YES		
<b>Building Plans</b>	Scaled floor plans ✓		YES		
	§ Proposed apartment, showing floor area by room and the common wall between the 2 units ✓		essory apartm amily dwelling		
	§ Proposed second dwelling showing floor area NA				
	Building elevations, including: existing		YES		
	§ Door and window locations existing		YES		
	§ Building height existing		YES		
	§ Color of surface material existing		YES		
	§ Texture of surface material existing		YES		
	§ All entrances to the main dwelling and the accessory apartment/second dwelling e		ccessory apar amily dwelling		
Water Resource Protection District	Complete list of the type and quantities of all chemicals, pesticides, fuels and other potentially hazardous or toxic materials to be stored, used or disposed of on site. NA		YES		
	Description of how and where hazardous materials will be stored, with a description of the provisions on how to protect materials from vandalism, corrosion, leakage, etc. <b>NA</b>		YES		
	Description of toxic or hazardous waste or by-products to be generated, showing storage and/or disposal methods. NA		YES		

#### HARWICH CODE

		-	ecial Permit a ite Plan Revi	
	<b>Contents Required</b>	Existing	Proposed	Site Plan Waiver
Water Resource Protection District (cont'd)	For projects where runoff other than typical runoff from parking lots or driveways may occur and/or subsurface disposal of materials other than typical septage waste may occur, the following additional information is required: NA		YES	
	§ Groundwater flow conditions, including description of down-gradient water resources and evaluation of the impact of disposal of accidental spills on such resources. NA		YES	
	§ Description of alleviating measures to eliminate groundwater contamination and backup. NA		YES	



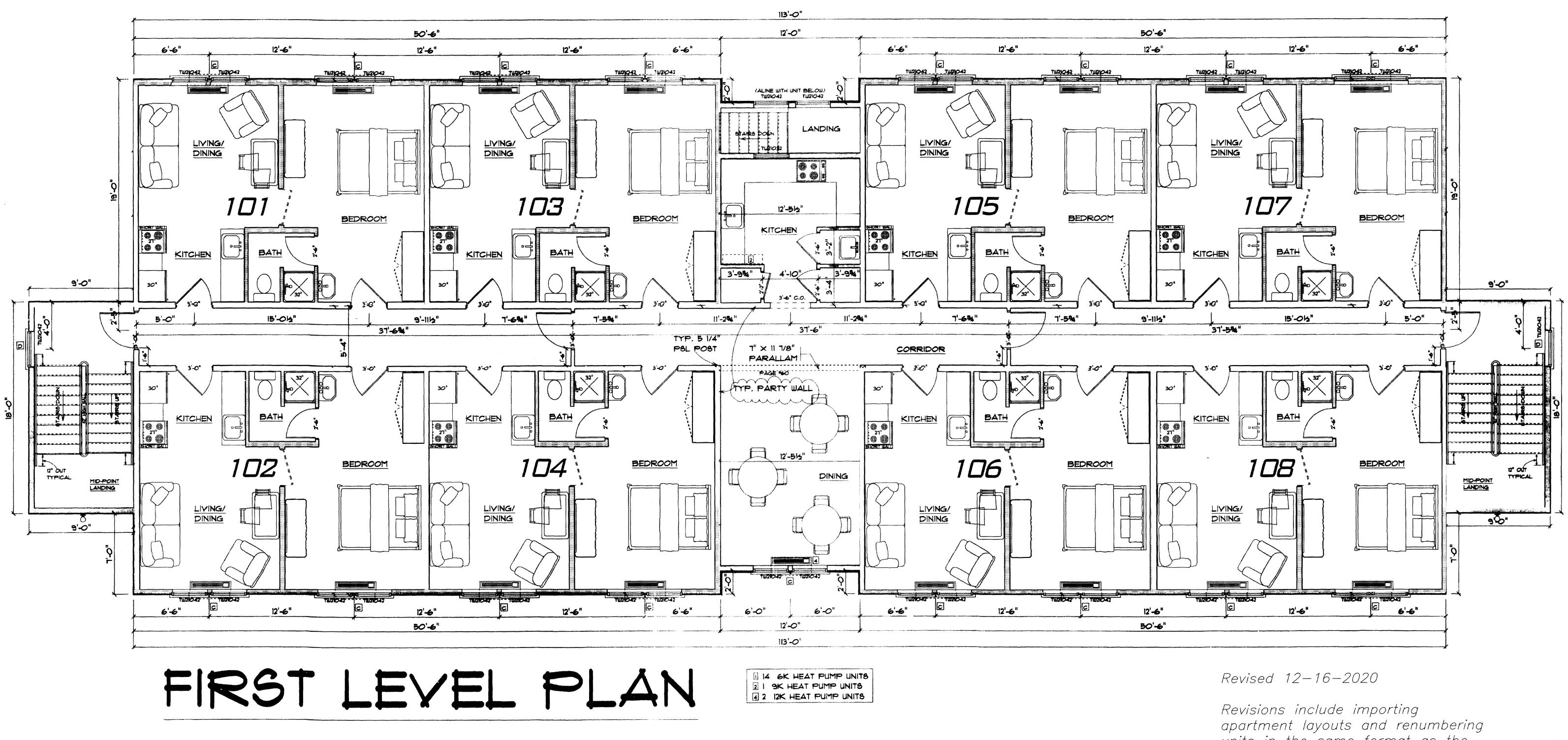


ticle IX, Section 325-	-39
Spaces Required	Space Neede
1.5 per unit	2
1.5 per unit	33
1 per room	48
Total Required	83
Total Provided	33
Deficient	50
Previous Deficiency	74
	Parking Schedule Spaces Required 1.5 per unit 1.5 per unit 1 per room Total Required Total Provided Deficient

		Grid AL
'9A	Oliver Homes, LLC Certificate # 195101 LC Plan 11886-G, Lots 16 and 17	Grid North
		Date
Propos	Sed Landscape Buffer	DLAN Massachusetts evision
	11 10 10	(TTE ) (South), I
後	CELLIC Com 200 1211 120 121 120 121 120 121 120 120	Harwich
si i i i i i i i i i i i i i i i i i i	posed v v v v v v v v v v v v v v v v v v v	Rev. #
Existing Leach Pit (Typical)		ß
N Drainage N System 1		) 945-5885
		)RSE 'E YING 'E YING
vide)		HU dba -412
		TONE W. Eldredge, ; (508) 776
	Building Coverage (incl. Gazebo and Electrical Enclosure) 12,114 S.F. Site Coverage	THE <b>ELDRE</b>
	Pavement 17,552 S.F. Crushed Stone 1,380 S.F.	Main
	Concrete2,475 S.F.Walkways2,475 S.F.Remnant Walkway530 S.F.Patio1,836 S.F.Handicap Ramps1,280 S.F.	1038
	Transformer Pad 40 S.F. AC Pads 108 S.F. Steps	
	Conc. Steps to Parking Area45 S.F.Brick Step to Parking Area43 S.F.Azek Step to Parking Area22 S.F.Conc. Steps behind Dorms30 S.F.Main Steps to Dorms232 S.F.	
ices ided	Wooden Handicap Ramp/Landing 96 S.F. Brick Step to Office Bldg. 57 S.F. Total Site Coverage, excl Bldg 25,726 S.F.	ST TERRY WAYNE
2 33 18	Total Site Coverage, Incl Bldg 37,006 S.F.	S ELDREDGE R
4 <u>8</u> 83 <u>33</u> 50 Spaces	Exclusive of concrete walls, sloped rock — between parking area and crushed stone path north of North Building, and crushed stone at drip edge of buildings.	Date: 12-21-2020 Scale: 1" = 30'
74 Spaces	U.S. Foot: 0 30 60 90	Project No.: H-2891-85.0

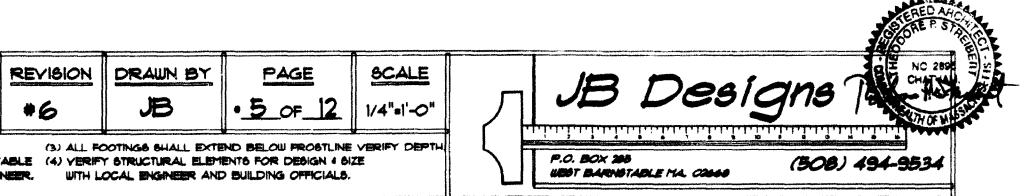


BUILDER	JOB ADDRESS	DESIGN
	THE STONEHORSE	NORTH BUILDING
	868 ROUTE 28	PROPOSED 2 1/2
	HARWICH MA.	DORMITORY BUIL

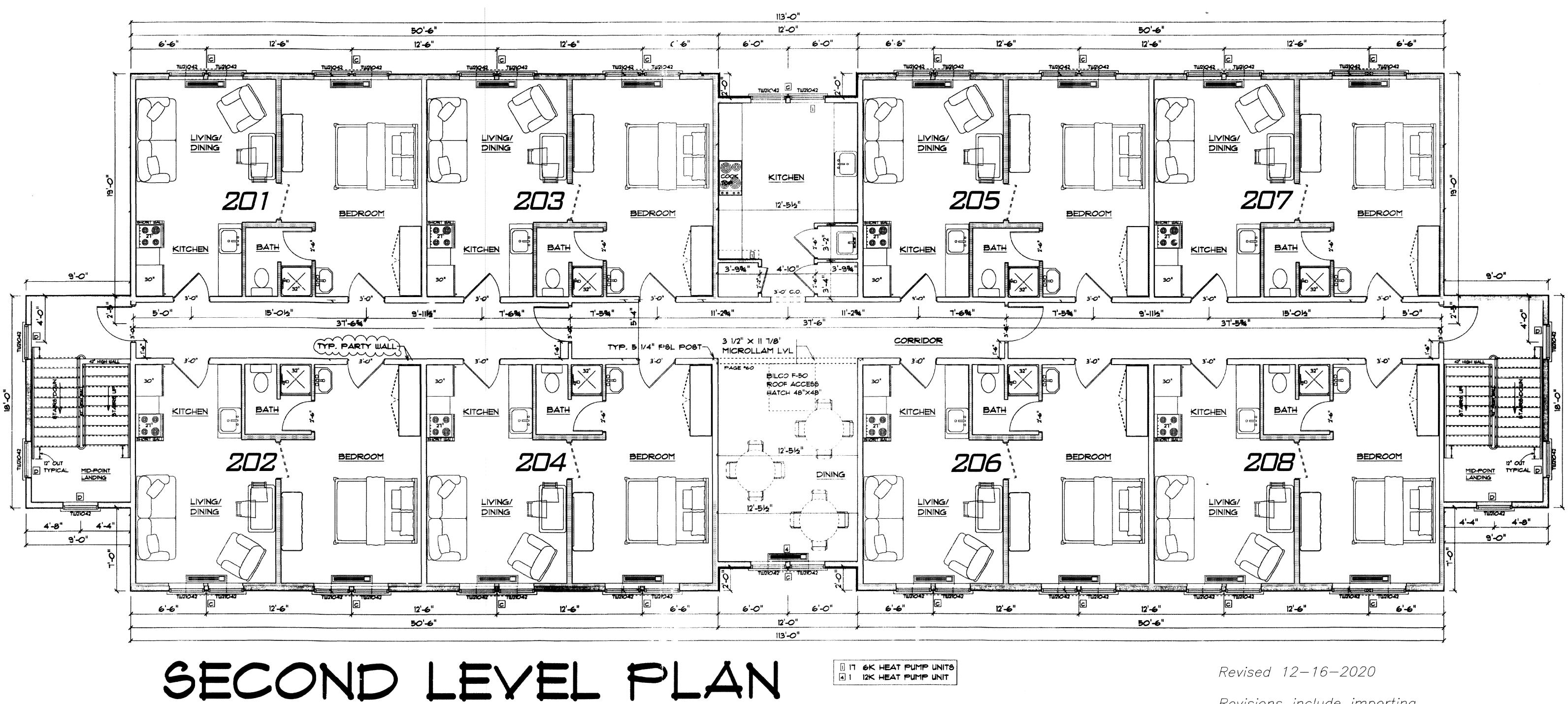


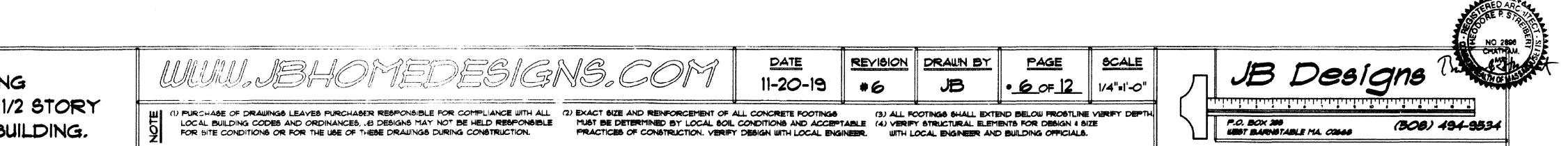
DATE 11-20-19 STORY EINFORCEMENT OF ALL CONCRETE FOOTINGS (1) PURCHASE OF DRAWINGS LEAVES PURCHASE MUST BE DETERMINED BY LOCAL SOIL CONDITIONS AND ACCEPTABLE (4) YERIFY STRUCTURAL ELEMENTS FOR DESIGN 4 SIZE LOCAL BUILDING CODES AND ORDINANCES, JB DESIGNS MAY NOT BE HELD RESPONSIBLE ILDING. FOR SITE CONDITIONS OR FOR DRAWINGS DURING CONSTRUCTION PRACTICES OF CONSTRUCTION, VERIFY DESIGN WITH LOCAL ENGINEER.

apartment layouts and renumbering units in the same format as the previous bedroom layout was numbered

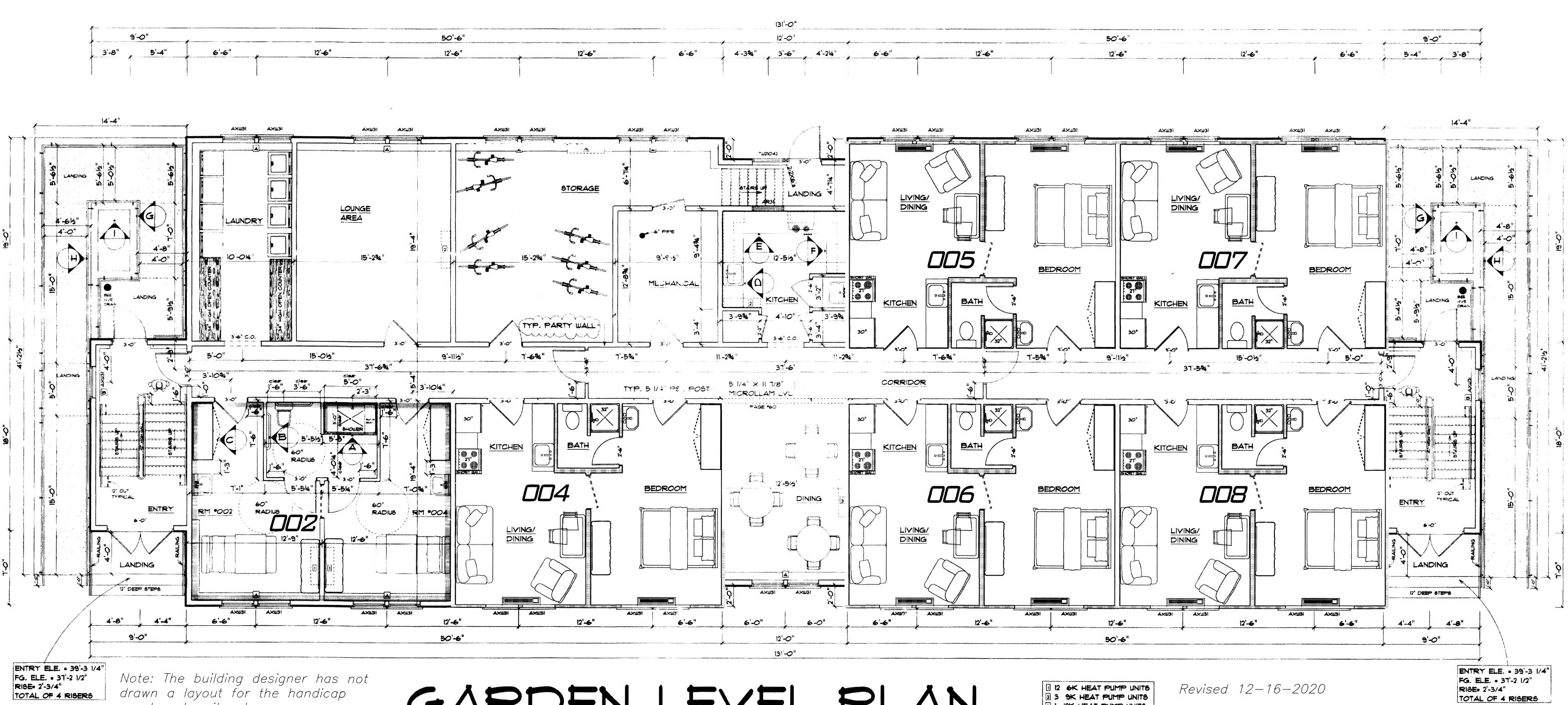


JOB ADDRESS	DESIGN
THE STONEHORSE	NORTH BUILDIN
868 ROUTE 28	PROPOSED 2 1
HARWICH MA.	DORMITORY B
	868 ROUTE 28





Revisions include importing apartment layouts and renumbering units in the same format as the previous bedroom layout was numbered



Note: The building designer has not drawn a layout for the handicap apartment unit yet.

BUILDER	JOB ADDRESS	DESIGN
	THE STONEHORSE	NORTH BUILDING
	868 ROUTE 28	PROPOSED 2 1/2
	HARWICH MA.	DORMITORY BU

GARDEN LEVEL PLAN

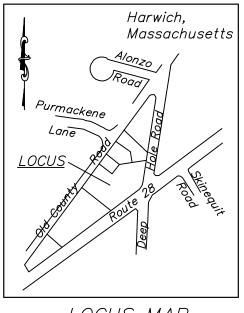
DATE REVI 1-9-20 #7 2 STORY (1) PURCHASE OF DRAWINGS LEAVES PURCHASER RESPONSIBLE FOR COMPLIANCE WITH ALL (2) EXACT SIZE AND REINFORCEMENT OF ALL CONCRETE FOOTINGS LOCAL BUILDING CODES AND ORDINANCES, US DESIGNS MAY NOT BE HELD RESPONSIBLE FOR SITE CONDITIONS OR FOR THE USE OF THESE DRAWINGS DURING CONSTRUCTION. (2) EXACT SIZE AND REINFORCEMENT OF ALL CONCRETE FOOTINGS MUST BE DETERMINED BY LOCAL SOIL CONDITIONS AND ACCEMP PRACTICES OF CONSTRUCTION. VERIFY DESIGN WITH LOCAL ENG JILDING. MUST BE DETERMINED BY LOCAL SOIL CONDITIONS AND ACCEPTABLE PRACTICES OF CONSTRUCTION, VERIFY DESIGN WITH LOCAL ENGINEER.

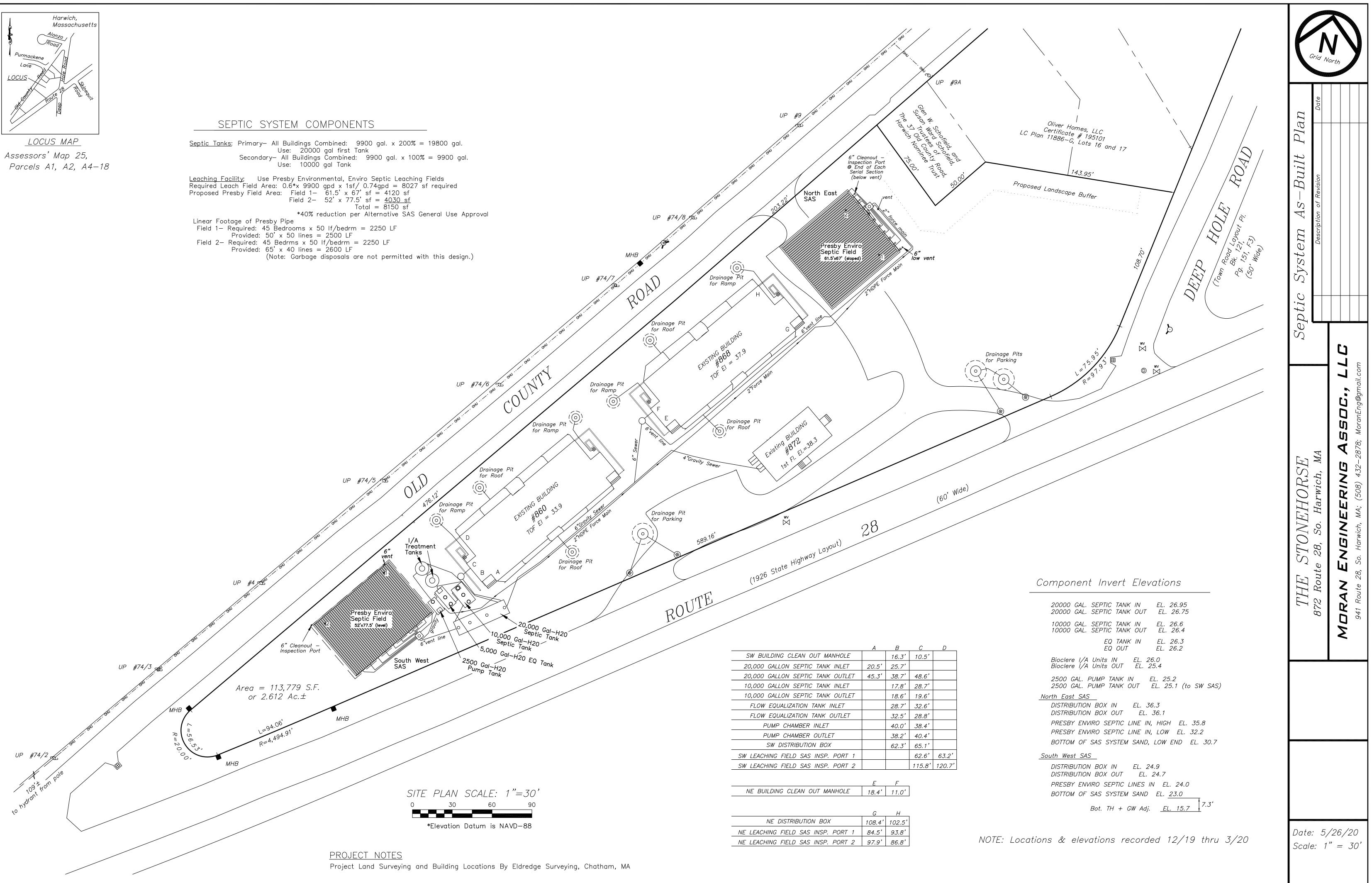
1 12 6K HEAT PUMP UNITS 2 3 9K HEAT PUMP UNITS 3 1 12K HEAT PUMP UNITS

Revised 12-16-2020

Revisions include importing apartment layouts and renumbering units in the same format as the previous bedroom layout was numbered

<u>VIBION</u>	DRAWN BY	PAGE	SCALE	JB Designs
7	JB	• <u>4_o=12</u>	/4"= '-0"	
	STRUCTURAL ELEM	end below prostline Ients for design 4 51 D Building Officials.		P.O. BOX 200 UEST BARNSTABLE MA. 02040 (508) 494-9534





### MORAN ENGINEERING ASSOCIATES, LLC

941 ROUTE 28, HARWICH

P.O. BOX 183 South Harwich, MA 02661 moraneng@gmail.com

O: 508-432-2878 F: 508-432-3501

December 21, 2020

**REVISED DRAINAGE CALCULATIONS** Stonehorse Work-Force Housing @ 872 Route 28, South Harwich, Ma

Proposed Conditions: Runoff for 25-Year Storm Peak Flow Using NOAA Atlas 14, Vol 10, Ver 2 for 25 yr, 15min duration => 1.13 inch/15min = 1.13x4 = 4.52 in/hr

Revised calculations for increase in paved parking. Revised contribution area per project surveyor, Terry Eldredge, sketch attached.

#### **Catch Basins Contribution Drainage Area - 1**

	Area	С
Paved Driveway & Parking =	13,500 sf	0.95
Walks & Hardscape = $1244 \text{ sf}/2 + 76 \text{sf} =$	698 sf	0.95
Landscaping =	6022 sf	0.5

Peak Runoff =  $(0.95 \times (13,500+698 \text{ sf}) + 0.5 \times 6022 \text{ sf}) \times 4.52 \text{ in/hr} \times 1 \text{ ft/12in} = 6215 \text{ cf/hr}$ 6215 cf/hr x 1hr/60min = 103.6 cf/min (= 1.73 cf/sec)

Q gal/min = 103.6 cf/min x 7.48 gal/cf = 775 gal/min

Required Leaching Area = 775 gal/min x 1sf / 0.7 gal/min = 1107 sf Required Provided Leaching Area : 3-Leach Pits (8'diam x 5'deep w/4'stone)  $= 3x (\pi 16'x5' + \pi 8'x8') = 1357$  sf Provided

Storage Volume:  $3x(\pi 3.67'x 3.67'x 6' + 0.3(\pi 8'x 8'x 6' - \pi 3.67'x 3.67'x 6')) = 1619$  cf

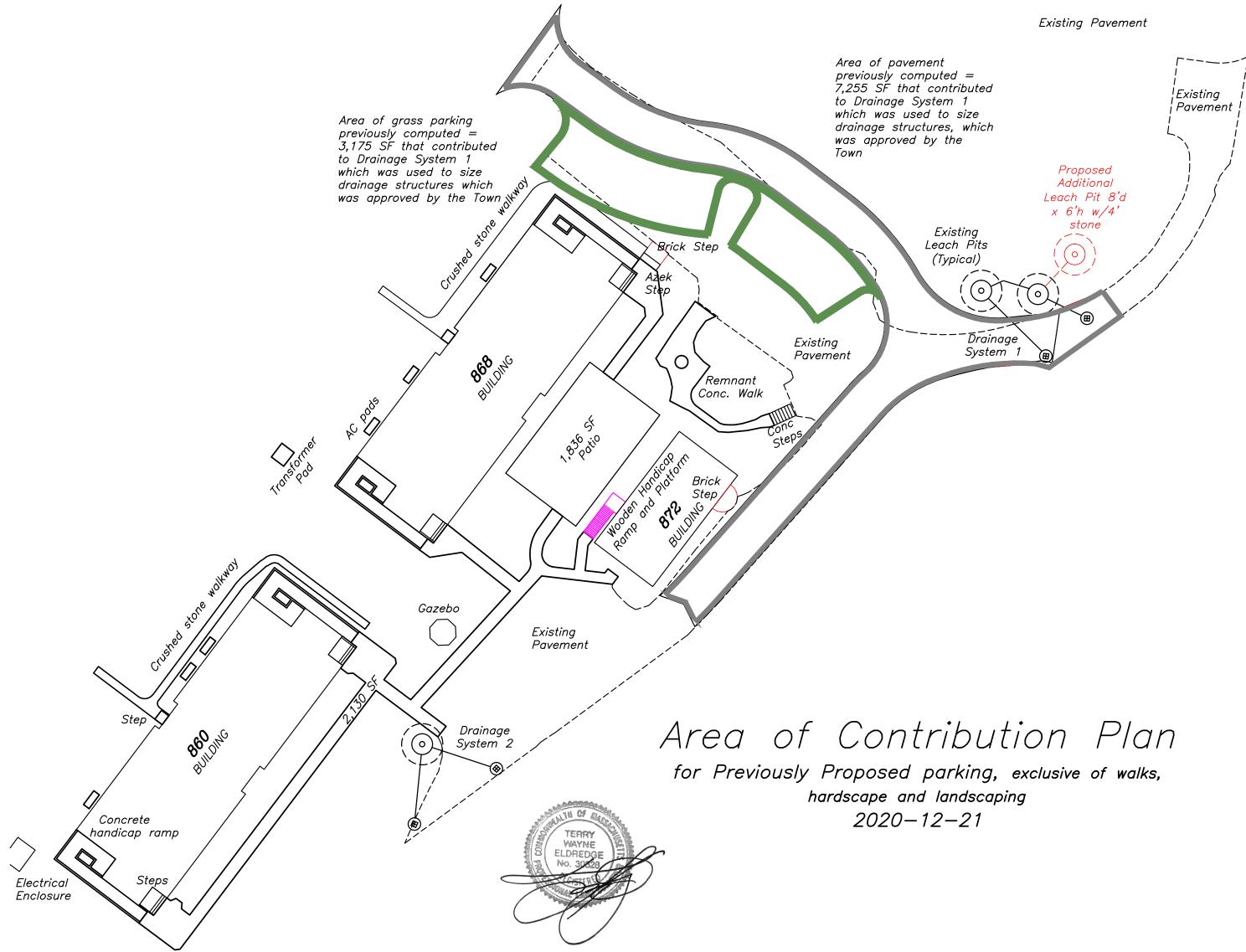


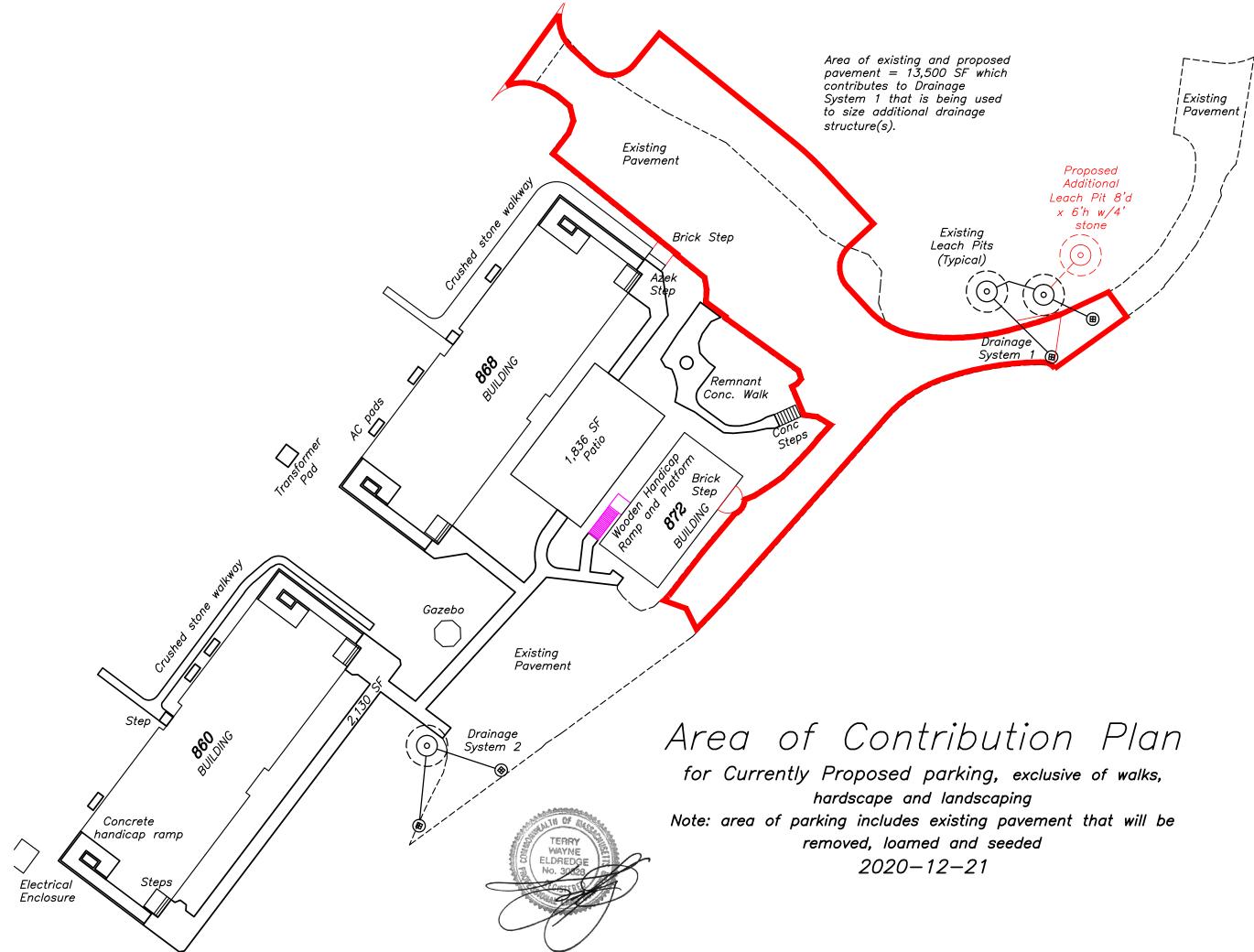
Peak Runoff: plus plus Total 16 6,215 c.f./hi	0.95 0.7 0.5 <b>6,499</b> r.	Walks and Gra La x x x x x	nd Parking: Hardscape: ass Parking: andscaping: 14,198 0 6,022 4.52 1 hr./60 min c.f./min	Currently Proposed s.f. 13,500 698 0 6,022 "=" "=" "=" TOTAL inch/hour "=" x	3 0.95 0 0.7 2 0.5 13,488 0 3,011 <b>16,499</b> X	1 ft/12 in c.f./min	и_п,	6,215 c.f./hr.
Peak Runoff: plus plus Total 16 6,215 c.f./hi Q gal/min "= Required Leachi	0.95 0.7 0.5 <b>6,499</b> r.	Walks and Gra La x x x x x	Hardscape: ass Parking: indscaping: 14,198 0 6,022 4.52 1 hr./60 min	s.f. 13,500 698 0 6,022 "=" "=" <b>TOTAL</b> inch/hour "="	0 0.95 0 0.95 0 0.7 2 0.5 13,488 0 3,011 <b>16,499</b> x 103.6	1 ft/12 in c.f./min		6,215 c.f./hr
Peak Runoff: plus plus Total 16 6,215 c.f./hi Q gal/min "= Required Leachi	0.95 0.7 0.5 <b>6,499</b> r.	Walks and Gra La x x x x x	Hardscape: ass Parking: indscaping: 14,198 0 6,022 4.52 1 hr./60 min	13,500 698 C 6,022 "=" "=" <b>TOTAL</b> inch/hour "="	0 0.95 0 0.95 0 0.7 2 0.5 13,488 0 3,011 <b>16,499</b> x 103.6	1 ft/12 in c.f./min		6,215 c.f./hr
Peak Runoff: plus plus Total 16 6,215 c.f./hi Q gal/min "= Required Leachi	0.95 0.7 0.5 <b>6,499</b> r.	Walks and Gra La x x x x x	Hardscape: ass Parking: indscaping: 14,198 0 6,022 4.52 1 hr./60 min	698 () 6,022 "=" "=" <b>TOTAL</b> inch/hour "="	3 0.95 0 0.7 2 0.5 13,488 0 3,011 <b>16,499</b> X 103.6	1 ft/12 in c.f./min		•
plus plus Total 16 6,215 c.f./hi Q gal/min "= Required Leachi	0.95 0.7 0.5 <b>6,499</b> r.	Gra La x x x x	ass Parking: indscaping: 14,198 0 6,022 4.52 1 hr./60 min	6,022 "=" "=" "=" TOTAL inch/hour "="	0 0.7 0.5 13,488 0 3,011 <b>16,499</b> x 103.6	1 ft/12 in c.f./min		•
plus plus <b>Total 16</b> 6,215 c.f./hi Q gal/min "= <b>Required Leachi</b>	0.7 0.5 <b>6,499</b> r.	X X X X	14,198 0 6,022 4.52 1 hr./60 min	6,022 "=" "=" <b>TOTAL</b> inch/hour "="	2 0.5 13,488 0 3,011 <b>16,499</b> x 103.6	1 ft/12 in c.f./min		•
plus plus <b>Total 16</b> 6,215 c.f./hi Q gal/min "= <b>Required Leachi</b>	0.7 0.5 <b>6,499</b> r.	x x x x x	14,198 0 6,022 4.52 1 hr./60 min	"=" "=" <b>TOTAL</b> inch/hour "="	13,488 0 3,011 <b>16,499</b> x 103.6	1 ft/12 in c.f./min		•
plus plus <b>Total 16</b> 6,215 c.f./hi Q gal/min "= <b>Required Leachi</b>	0.7 0.5 <b>6,499</b> r.	x x x x	0 6,022 4.52 1 hr./60 min	"=" "E" TOTAL inch/hour "="	0 3,011 <b>16,499</b> x 103.6	1 ft/12 in c.f./min		•
plus plus <b>Total 16</b> 6,215 c.f./hi Q gal/min "= <b>Required Leachi</b>	0.7 0.5 <b>6,499</b> r.	x x x x	0 6,022 4.52 1 hr./60 min	"=" "E" TOTAL inch/hour "="	0 3,011 <b>16,499</b> x 103.6	1 ft/12 in c.f./min		•
plus Total 16 6,215 c.f./hi Q gal/min "= Required Leachi	0.7 0.5 <b>6,499</b> r.	x x x	0 6,022 4.52 1 hr./60 min	"=" "E" TOTAL inch/hour "="	0 3,011 <b>16,499</b> x 103.6	1 ft/12 in c.f./min		•
plus Total 16 6,215 c.f./hi Q gal/min "= Required Leachi	0.5 <b>6,499</b> r. =''	x x x	0 6,022 4.52 1 hr./60 min	"=" TOTAL inch/hour "="	3,011 <b>16,499</b> x 103.6	1 ft/12 in c.f./min		•
plus Total 16 6,215 c.f./hi Q gal/min "= Required Leachi	0.5 <b>6,499</b> r. =''	x	4.52 1 hr./60 min	TOTAL inch/hour "="	<b>16,499</b> x 103.6	1 ft/12 in c.f./min		•
Total 16 6,215 c.f./hi Q gal/min "= Required Leachi	6,499 r. =''	x	4.52 1 hr./60 min	inch/hour "="	<b>16,499</b> x 103.6	1 ft/12 in c.f./min		•
6,215 c.f./hi Q gal/min "= <b>Required Leachi</b>	r. ="	x	1 hr./60 min	inch/hour "="	x 103.6	1 ft/12 in c.f./min		•
6,215 c.f./hi Q gal/min "= <b>Required Leachi</b>	r. ="	x	1 hr./60 min	"="		c.f./min	11_11	•
Q gal/min "= Required Leachi	="		min				11-11	
Q gal/min "= Required Leachi	="		min				11_11	
Q gal/min "= Required Leachi	="			x			11	
Required Leachi		103.6	c.f./min	x	7.48	gal/c f	11_11	
•	ing					Sall C.I.		775 gal/mi
•	шБ				1 s.f./0.7			
MICa ~		775	gal/min	x	gal/min	"="	1107	s.f. Required
Proposed: 2 Lea	ich Pits	, 8' diam, 5	5' Deep witl	h 4' Stone (to	otal diamete	er = 16'):		
			Total				Surface	
(F	Pi	x	Diameter	х	Height	"="	Area	
Leaching								
Area								
Provided 3.1	4158	x	16	x	5	"="	251	
(F	Pi	x	radius	x	radius			
Plus 3.14	4158	x	8	x	8	"="	201	
						TOTAL	452	s.f. per pit
				Additional Pi	t Proposed	x # of Pits	3	
						*=*	1,357	s.f.
					Which is gr	eater than	-	s.f. Required
Storage Volume								
totage voidine.		x Inside	x Inside	x Inside		~ 1		
# of Pits //					+	(% Voids	x	
				_		-	^	004079
5 5.14	4109	5.07	5.07	o		30%		
x Out	tside >	x Outside	x Inside			x Inside	x Inside	x Inside
((Pi Rad		Radius	height)	-	(Pi	Radius	Radius	height)))) "=" CF
3.14159	8	8	6		3.14159	3.67	3.67	
Storage Volume: # of Pits ((F 3 3.14		x Inside Radius 3.67	x Inside Radius 3.67	x Inside height) 6	+	by (% Voids 30%	250 x	

### STORMWATER RUNOFF DRAINAGE CALCULATIONS THE STONEHORSE PROJECT- RTE 28 SOUTH HARWICH

Proposed Conditions: Runoff for 25-Year Storm Peak Flow Using NOAA Atlas 14, Vol 10. Ver 2 for 25 yr., 15 min => 1.13 inch/15 min => (1.13 x 4) = 4.52 in/hr.

Catch basi	ns Contribu	ition Area -	- 1 - PREVIO	USLY PROPOS	SED			
				Previously				
				Proposed				half
				s.f.	С		$\mathcal{L}^{\iota}$	
	Paved	Drivewav a	nd Parking:	7,255	0.95			·····
			Hardscape:	698	0.95			
			ass Parking:	3,175	0.7	· · · · · · · · · · · · · · · · · · ·		· ··· · · · · · · · · · ·
			andscaping:	6,022	0.5			n in the second s
Peak Runc	off:			-,		•		
	0.95	x	7,953	"="	7,555			
plus	0.7	x	3,175	"="	2,223			
plus	0.5	X	6,022	"="	3,011			
<b>1</b>			-,	TOTAL	12,789			
Total	12,789	x	4.52	inch/hour	x	1 ft/12 in	8 <u>–</u> 11	4,817 c.f./hr.
			1 hr./60					
4,817	c.f./hr.	x	min	" <b>—</b> If	80.3	c.f./min		
ם gal/min	"="	80.3	c.f./min	x	7.48	gal/c.f.	****	601 gal/mir
Required L	eaching				1 s.f./0.7			
Area =			gal/min 5' Deep with	x n 4' Stone (to	gal/min tal diamet	"=" :er = 16'):	858	s.f. Required
Area =	2 Leach Pit		<b>5' Deep witl</b> Total		tal diamet	er = 16'):	Surface	s.f. Required
Area = Proposed:			5' Deep with		_			s.f. Required
Area = Proposed: Leaching Area	2 Leach Pit	s, 8' diam,	<b>5' Deep witl</b> Total	n 4' Stone (to	tal diamet	er = 16'):	Surface	s.f. Required
Area = Proposed: .eaching Area	2 Leach Pit	s <b>, 8' diam,</b> x	<b>5' Deep witl</b> Total Diameter	n <b>4' Stone (to</b> x	<b>tal diamet</b> Height	er = 16'):	Surface Area	
Area = Proposed: .eaching Area	2 Leach Pit (Pi 3.14158	s <b>, 8' diam,</b> x x	<b>5' Deep witl</b> Total Diameter 16	n <b>4' Stone (to</b> x x	<b>tal diamet</b> Height 5	er = 16'): "="	Surface	
Area = Proposed: Leaching Area Provided :	2 Leach Pit (Pi 3.14158 (Pi	s, 8' diam, x x x	<b>5' Deep with</b> Total Diameter 16 radius	n <b>4' Stone (to</b> x x x x	tal diamet Height 5 radius	er = 16'): "="	Surface Area 251	- - -
Area = Proposed: Leaching Area	2 Leach Pit (Pi 3.14158	s <b>, 8' diam,</b> x x	<b>5' Deep witl</b> Total Diameter 16	n <b>4' Stone (to</b> x x	<b>tal diamet</b> Height 5	er = 16'): "=" "="	Surface Area 251 201	
Area = Proposed: Leaching Area Provided :	2 Leach Pit (Pi 3.14158 (Pi	s, 8' diam, x x x	<b>5' Deep with</b> Total Diameter 16 radius	n <b>4' Stone (to</b> x x x x	tal diamet Height 5 radius	er = 16'): "=" "=" "=" TOTAL	Surface Area 251 201 <b>452</b>	s.f. per pit
Area = Proposed: Leaching Area Provided :	2 Leach Pit (Pi 3.14158 (Pi	s, 8' diam, x x x	<b>5' Deep with</b> Total Diameter 16 radius	n <b>4' Stone (to</b> x x x x	tal diamet Height 5 radius	er = 16'): "=" "=" TOTAL x # of Pits	Surface Area 251 201 <b>452</b> 2	s.f. per pit
Area = Proposed: Leaching Area Provided : Plus	2 Leach Pit (Pi 3.14158 (Pi 3.14158	s, 8' diam, x x x	<b>5' Deep with</b> Total Diameter 16 radius	n <b>4' Stone (to</b> x x x x x	tal diamet Height 5 radius 8	er = 16'): "=" "=" "=" TOTAL x # of Pits "="	Surface Area 251 201 <b>452</b> 2 <b>905</b>	s.f. per pit s.f.
Area = Proposed: Leaching Area Provided :	2 Leach Pit (Pi 3.14158 (Pi 3.14158	s, 8' diam, x x x x x	<b>5' Deep with</b> Total Diameter 16 radius 8	n 4' Stone (to x x x x x	tal diamet Height 5 radius 8	er = 16'): "=" "=" TOTAL x # of Pits	Surface Area 251 201 <b>452</b> 2 <b>905</b>	s.f. per pit s.f. s.f. Required
Area = Proposed: eaching Area Provided : Plus torage Vo	2 Leach Pit (Pi 3.14158 (Pi 3.14158	s, 8' diam, x x x x x	<b>5' Deep with</b> Total Diameter 16 radius 8 x Inside	n 4' Stone (to x x x x x x x	tal diamet Height 5 radius 8 Which is gr	er = 16'): "=" "=" TOTAL x # of Pits "=" eater than	Surface Area 251 201 <b>452</b> 2 <b>905</b> 858	s.f. per pit s.f. s.f. Required <i>cont.</i>
Area = Proposed: eaching Area Provided : Plus torage Vo	2 Leach Pit (Pi 3.14158 (Pi 3.14158	s, 8' diam, x x x x x	<b>5' Deep with</b> Total Diameter 16 radius 8	n 4' Stone (to x x x x x	tal diamet Height 5 radius 8	er = 16'): "=" "=" "=" TOTAL x # of Pits "="	Surface Area 251 201 <b>452</b> 2 <b>905</b>	s.f. per pit s.f. s.f. Required
Area = Proposed: Leaching Area Provided : Plus torage Vo # of Pits 2	2 Leach Pit: (Pi 3.14158 (Pi 3.14158 Jume: ((Pi 3.14159	s, 8' diam, x x x x x x x x x x x x x x x x x x x	<b>5' Deep with</b> Total Diameter 16 radius 8 x Inside Radius 3.67	n <b>4' Stone (to</b> x x x x x x x x x unside height)	tal diamet Height 5 radius 8 Which is gr	er = 16'): "=" "=" TOTAL x # of Pits "=" eater than (% Voids 30%	Surface Area 251 201 <b>452</b> 2 <b>905</b> 858 x	s.f. per pit s.f. s.f. Required <i>cont.</i> <i>below</i>
Area = Proposed: Leaching Area Provided : Plus torage Vo # of Pits 2	2 Leach Pit: (Pi 3.14158 (Pi 3.14158 ilume: ((Pi	s, 8' diam, x x x x x x x x x x x x x x x x x x x	<b>5' Deep with</b> Total Diameter 16 radius 8 x Inside Radius	n <b>4' Stone (to</b> x x x x x x x x x unside height)	tal diamet Height 5 radius 8 Which is gr	eer = 16'): "=" "=" "=" TOTAL x # of Pits "=" eater than (% Voids	Surface Area 251 201 <b>452</b> 2 <b>905</b> 858	s.f. per pit s.f. s.f. Required <i>cont.</i>





#### TOWN OF HARWICH PLANNING DEPARTMENT

**SPECIAL PERMITS & SITE PLAN REVIEW** 

FORM A



TO THE TOWN CLERK, HARWICH, MA

DATE \_\_\_\_

#### PART A – APPLICANT INFORMATION/AUTHORIZATION

Applicant Name(s)	Cool Change/LLC Allen Harbor Marine
Representative/Organization (Who will serve as the primary contact responsible for facilitating this application?)	Rob O'Neill/GenServ, Inc.
Mailing address	323 Manley Street
Town, ST, Zip	West Bridgewater, MA
Phone	02379
Fax	
E-mail	oneill@gencondb.com

The applicant is one of the following: (please check appropriate box)

□ Owner □ Prospective Buyer\* □ Representative for Owner/Tenant/Buyer\*

□ Tenant\* □ Other\*\_

### \*Written permission of the owner(s) and a municipal lien certificate (where applicable) is required.

All other forms and information as required in the Harwich Code Chapter 400, Rules and Regulations, shall be submitted as part of this application.

#### Authorization

Your signature hereby asserts, to the best of your knowledge, that the information submitted in this application is true and accurate; that you agree to fully comply with the Town of Harwich Zoning Bylaws and the terms and conditions of any approval of this application by the Planning Board; and authorizes the Members of the Planning Board and/or Town Staff to visit and enter upon the subject property for the duration of the consideration of this application.

Rob O'Neill/GenServ, Inc.	RONeill	11-9-20	)20
Applicant Cum 200	TUM	11/9/	2070
			P

Owner(s) – Authorization must accompany application if the owner is not the applicant.

Official use only:

PLANNING DEPARTMENT	TOWN CLERK
Case #	

Case #

Legal Street Address	282 Rt 28	Village/Zip Code 02671
Title Book/Page or L.C.C. #	BK 33205 Page 1	56 #44388
Map(s) / Parcel(s)	12/G2-1	
Zoning & Overlay Districts	C-H-1	*Historic? n/a
Frontage (linear feet)	277.78	
Total land area (s.f.)	21,995	
Upland (s.f.)	21,995	Wetlands (s.f.) n/a

#### PART B – PROJECT LOCATION

#### PART C – PROJECT DESCRIPTION

Existing Floor Area in Sq. Ft	Gross:		Net:
Proposed Floor Area in Sq. Ft	Gross:	4102	Net:
Change in Sq. Ft + / -	Gross:		Net:
Existing # of parking spaces			Proposed # of parking spaces: 18
Existing Use(s)			
Proposed Use(s)	See attached narrative.		ed parrative
Attach a separate narrative if necessary.	000	anach	

The undersign hereby files an application with the Harwich Planning Board for the following special permits as proposed under the provisions of the Harwich Zoning Code: (check all that apply)

#### Site Plan Review § 325-55:

Any floor area expansion of any structure or expansion of exterior space, other than parking, serving any of the following: commercial, industrial, multi-family or educational use or personal wireless service facility or the creation of a drive-up or drive-through window

Expansion or reconfiguration of an existing parking lot and/or driveway(s) serving said parking lot.

Establishment of any new commercial, industrial, multi-family, educational, fast food/take out restaurant or personal wireless service facility.

Establishment of any new retail use(s) in the Industrial (IL) Zone.

□ Waiver of Site Plan § 325-55.F

#### Article V, Use Regulations:

 Paragraph\_\_\_\_\_, sub-paragraph #\_\_\_\_\_ Paragraph\_\_\_\_\_, sub-paragraph #\_\_\_\_\_ Paragraph\_\_\_\_, sub-paragraph #\_\_\_\_, supplemental regulation #\_\_\_\_ § 325-14

#### Article X, Special Permits:

□ Structures w/ gross floor area of 7,500+ s.f. § 325-51

□ Structures requiring 20 or more new parking spaces § 325-51

□ Accessory Apt./Shared Elderly Housing § 325-51.H □ Mixed Use § 325-51.M

□ Drinking Water Resource Protection § 325-51.C □ Two Family § 325-51.N

□ Village Commercial, Harwich Port § 325-51.L □ \*Harwich Center Overlay § 325-51.O

Signage § 325-27.F Additional Cluster, Excess SF, Non-entry Facades

#### Other Special Permits:

Six Ponds Special District - Article XVI

□ Wind Energy Systems - Article XVIII □ Large Scale Wind Generation – Article XIX

Other (i.e. Alternate Access § 325-18.P, Special Cases § 325-44.B) Marine Use

Repetitive Petition (MGL Ch 40A, §16): Proposed project evolved from a previously denied plan

submitted to the Planning Board on Year/Case #

\*Note: Projects within the Harwich Center Overlay District may also be within the Harwich Center Historic District. This requires separate filing with the Historic District and Historical Commission. Please inquire for forms and instructions.

# GENCON

December 18, 2020

Harwich Zoning Board of Appeals 732 Main Street Harwich, MA 02645

Re: Site Plan Review Application Narrative Proposed Boat Maintenance and Repair Building 282 MA Route 28 Harwich, MA

The proposed use for the lot is for boat maintenance and repair. The owner is proposing a structure to house these activities in lieu of having the boats and accompanying work out in the open. It is believed this structure would benefit the abutters both aesthetically and via a major reduction of the noise associated with the work on the boats. There is a parking easement that has been granted to the adjacent restaurant which restricts the buildable area of the lot.

The proposed building will be 60'x78'. It will be 25' above average grade at its highest point. This parking area will be used by patrons during the restaurant's operating hours and by the owner's employees at all other times. There will be no boat storage on the property except for inside the building. There will be no signage on the building and lighting is limited to one parking lot light on the south façade and convenience lighting at the west man-doors.

Site work will include but not be limited to minor grading, 3 new parking spaces, a new septic system, a tight tank, and a rain garden. As per the Zoning Board appeal agreement, there will be an 8' stockade fence along the property along the NW corner of the lot.

Very truly yours,

Stephen S. Morrell, AIA Lead Architect

## **GENERAL CONSTRUCTION NOTES**

- ALL SITE PREPARATION NECESSARY TO COMPLETE THIS PROJECT ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
- THE CONTRACTOR SHALL COORDINATE ALL NECESSARY POLICE DETAILS WITH THE LOCAL POLICE DEPARTMENT.
- ALL CONSTRUCTION AND CONTRACTOR VEHICLES ARE TO BE PARKED WITHIN THE SITE PROPERTY. PARKING OF ANY CONSTRUCTION VEHICLE OUTSIDE OF THE SITE LIMITS IS PROHIBITED.
- THE CONTRACTOR SHALL MAKE ALL NECESSARY CONSTRUCTION NOTIFICATIONS AND APPLY FOR AND OBTAIN ALL REQUIRED CONSTRUCTION PERMITS. ALL FEES INCLUDING POLICE DETAILS AND POSTING OF BONDS ARE TO BE PAID BY THE CONTRACTOR, AND COORDINATED WITH THE OWNER AND THE ENGINEER.
- ALL EXISTING CONDITIONS SHOWN SHALL BE CONSIDERED APPROXIMATE AND ARE BASED ON THE BEST INFORMATION AVAILABLE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THAT THE PROPOSED CONDITIONS SHOWN ON THE PLANS DO NOT CONFLICT WITH ANY KNOWN EXISTING OR OTHER PROPOSED IMPROVEMENTS. IF ANY CONFLICTS ARE DISCOVERED, THE CONTRACTOR SHALL NOTIFY THE OWNER AND THE ENGINEER PRIOR TO CONDUCTING ANY WORK.
- THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AND STRUCTURES AS SHOWN ON THESE PLANS ARE BASED ON RECORDS OF PREVIOUS OWNERS, VARIOUS UTILITY COMPANIES, AND WHEREVER POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THIS INFORMATION IS NOT GUARANTEED AS BEING EXACT OR COMPLETE. THE LOCATION OF ALL UNDERGROUND UTILITIES AND STRUCTURES SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR MUST CONTACT THE APPROPRIATE UTILITY COMPANIES, ANY GOVERNING PERMITTING AUTHORITIES, AND "DIGSAFE" AT LEAST 72 HOURS PRIOR TO ANY EXCAVATION WORK IN PREVIOUSLY UNALTERED AREAS TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RESOLVE CONFLICTS BETWEEN THE PROPOSED UTILITIES AND FIELD-LOCATED UTILITIES AND SHALL REPORT ANY DISCREPANCIES TO THE ENGINEER IMMEDIATELY. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR DAMAGES INCURRED AS A RESULT OF UTILITIES OMITTED, INCOMPLETELY OR INACCURATELY SHOWN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ACCURATE RECORDS OF THE LOCATION AND ELEVATION OF ALL WORK INSTALLED AND EXISTING UTILITIES FOUND DURING CONSTRUCTION FOR THE PREPARATION OF THE AS-BUILT PLAN.
- THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL EXISTING UTILITIES IN WORKING ORDER AND FREE FROM DAMAGE DURING THE ENTIRE DURATION OF THE PROJECT. ALL COSTS RELATED TO THE REPAIR OF UTILITIES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. EXCAVATION REQUIRED WITHIN THE PROXIMITY OF EXISTING UTILITY LINES SHALL BE DONE BY HAND. CONTRACTOR SHALL REPAIR ANY DAMAGE TO EXISTING UTILITY LINES OR STRUCTURES INCURRED DURING CONSTRUCTION OPERATIONS AT NO COST TO THE OWNER.
- THE CONTRACTOR SHALL UTILIZE ALL PRECAUTIONS AND MEASURES TO ENSURE THE SAFETY OF THE PUBLIC, ALL PERSONAL AND PROPERTY DURING CONSTRUCTION IN ACCORDANCE WITH OSHA STANDARDS, INCLUDING BARRICADES, SAFETY LIGHTING, CONES, POLICE DETAIL AND/OR FLAGMEN AS DETERMINED NECESSARY BY THE ENGINEER AND/OR OWNER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COST OF POLICE DETAIL AND FOR COORDINATING WITH THE LOCAL OR STATE POLICE DEPARTMENT FOR ALL REQUIRED POLICE DETAIL.
- ALL TRENCHING WORK WITHIN A PUBLIC OR PRIVATE ROADWAY SHALL BE COORDINATED WITH THE OWNER AND/OR PROPER LOCAL & STATE AGENCIES. TRENCH SAFETY AND RELATED PERMITS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THIS WORK MAY BE REQUIRED TO TAKE PLACE OUTSIDE OF NORMAL HOURS OF OPERATION FOR THE FACILITY.
- 10. ALL TRENCH WORK WITHIN EXISTING PAVEMENT SHALL BE NEATLY SAWCUT PER THE APPLICABLE DETAILS. TRENCH BACKFILL SHALL BE PLACED AND COMPACTED IN 8-INCH LIFTS OR AS OTHERWISE INDICATED ON PLANS. CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ANY SETTLING DUE TO INADEQUATE COMPACTION AS DETERMINED BY THE ENGINEER WITHIN THE WARRANTY PERIOD.
- 11. THE CONTRACTOR SHALL MAKE ALL CONNECTION ARRANGEMENTS WITH UTILITY COMPANIES, AS NECESSARY INCLUDING NOTIFICATIONS TO THE CITY AND UTILITIES PRIOR TO ANY WORK.
- 12. ALL IMPORTED MATERIAL SHALL BE CLEAN AND FREE OF ANY HAZARDOUS WASTE OR OTHER CHEMICAL CONTAMINATION. NO MATERIAL WILL BE ACCEPTED FROM AN EXISTING OR FORMER 21E SITE AS DEFINED BY THE MASSACHUSETTS CONTINGENCY PLAN 310 CMR 40.0000.
- 13. SITE LAYOUT SURVEY REQUIRED FOR CONSTRUCTION WILL BE PROVIDED BY THE CONTRACTOR AND SHALL BE CONDUCTED BY A MASSACHUSETTS' REGISTERED PROFESSIONAL LAND SURVEYOR. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH THE SURVEYOR FOR ALL SITE SURVEY WORK. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING AN AS-BUILT PLAN OF THE SITE CONDUCTED BY A REGISTERED PROFESSIONAL LAND SURVEYOR AND APPROVED BY THE ENGINEER. AS-BUILTS ARE REQUIRED TO OBTAIN MASSDEP AUTHORIZATION TO OPERATE.
- 14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING AND MAINTAINING ALL HORIZONTAL AND VERTICAL CONTROL POINTS DURING CONSTRUCTION INCLUDING BENCHMARK LOCATIONS AND ELEVATIONS AT CRITICAL AREAS. THE LOCATION OF ALL CONTROL POINTS AND BENCHMARKS SHALL BE COORDINATED WITH THE ENGINEER.
- 15. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL GRADE STAKES AND MONUMENTATION. GRADE STAKES SHALL REMAIN IN PLACE UNTIL A FINAL INSPECTION OF THE SITE HAS BEEN COMPLETED BY THE ENGINEER. ANY RE-STAKING OF PREVIOUSLY SURVEYED SITE FEATURES SHALL BE THE RESPONSIBILITY (INCLUDING COST) OF THE CONTRACTOR.
- 16. UNLESS OTHERWISE SPECIFIED ON THE PLANS AND DETAILS/SPECIFICATIONS, ALL SITE CONSTRUCTION MATERIALS AND METHODOLOGIES ARE TO CONFORM TO THE MOST RECENT VERSION OF THE MASSACHUSETTS DEPARTMENT OF TRANSPORTATION (MASSACHUSETTS HIGHWAY DEPARTMENT) STANDARD SPECIFICATIONS (THE MASSACHUSETTS HIGHWAY DEPARTMENT 1988 STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES, THE 2002 SUPPLEMENTAL SPECIFICATIONS, AND THE 2005 STANDARD SPECIAL PROVISIONS).
- 17. CONSTRUCTION AND/OR DEMOLITION SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE LAWS AND REGULATIONS REGARDING NOISE, VIBRATION, DUST, SEDIMENTATION CONTAINMENT, HAZARDOUS WASTES, AND TRENCH WORK.
- 18. SOLID WASTES AND/OR CONSTRUCTION OR DEMOLITION DEBRIS SHALL BE COLLECTED AND STORED IN A SECURED DUMPSTER. THE DUMPSTER SHALL MEET ALL LOCAL AND STATE SOLID WASTE MANAGEMENT REGULATIONS.
- 19. THE CONTRACTOR SHALL RESTORE ALL SITE SURFACES TO THEIR ORIGINAL CONDITION OR BETTER AFTER CONSTRUCTION IS COMPLETE. AREAS NOT DISTURBED BY CONSTRUCTION SHALL BE LEFT NATURAL. THE CONTRACTOR SHALL TAKE CARE TO PREVENT DAMAGE TO SHRUBS, TREES, OTHER LANDSCAPING AND/OR NATURAL FEATURES. IF THE PLANS FAIL TO IDENTIFY ALL LANDSCAPE FEATURES, EXISTING CONDITIONS MUST BE VERIFIED BY THE CONTRACTOR PRIOR TO COMMENCEMENT OF ANY WORK.
- 20. UNPAVED AREAS DISTURBED BY THE WORK SHALL HAVE A MINIMUM OF 4-INCHES OF LOAM (OR MORE AS SHOWN ON PLAN DETAILS) AND HYDROSEEDED AS SHOWN ON THE PLAN AND/OR DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR WATERING ANY LOAMED AND SEEDED AREAS UNTIL GROWTH IS ESTABLISHED AND APPROVED BY THE ENGINEER AND/OR OWNER.
- 21. ALL PROPOSED STRUCTURES AND COMPONENTS SHALL BE DESIGNED BY THEIR MANUFACTURERS TO WITHSTAND AASHTO H-20 LOADING. PRECAST CONCRETE SHALL HAVE A MINIMUM 28-DAY STRENGTH OF 4,000 PSI UNLESS OTHERWISE SPECIFIED BY THE ENGINEER.
- 22. THE CONTRACTOR SHALL PROVIDE A UNIT PRICE COST IN CUBIC YARD MEASURE FOR LEDGE AND/OR BOULDER REMOVAL. LEDGE AND/OR BOULDERS LESS THAN 1 CUBIC YARD IN SIZE BASED ON THE AVERAGE DIMENSIONS WILL NOT BE CONSIDERED PAYABLE ROCK. UNIT PRICE SHALL BE GIVEN FOR BOTH ON AND OFF SITE DISPOSAL. COST OF REPLACEMENT MATERIAL SHALL BE INCLUDED IF ADDITIONAL FILL MATERIAL IS REQUIRED.
- 23. DEVIATION OR ALTERATION OF THE PROPOSED WORK IS TO BE VERIFIED BY THE ENGINEER AND OWNER PRIOR TO CONDUCTING THE WORK.
- 24. AT THE END OF CONSTRUCTION, THE CONTRACTOR SHALL REMOVE ALL CONSTRUCTION DEBRIS AND SURPLUS MATERIALS FROM THE SITE. A THOROUGH INSPECTION OF THE WORK SITE AND PERIMETER IS TO BE MADE AND ALL DISCARDED MATERIALS AND WIND BLOWN OR WATER CARRIED DEBRIS SHALL BE COLLECTED AND REMOVED FROM THE SITE.

- 3. CONTRACTOR SHALL ENSURE POSITIVE DRAINAGE AWAY FROM BUILDINGS FOR ALL NATURAL AND PAVED AREAS UNLESS OTHERWISE DIRECTED BY ENGINEER OR NOTED ON THE PLANS.
- 5. PARKING AREAS AND TRAVEL LANES ARE NOT TO BE PAVED UNTIL THE ENTIRE PROPOSED DRAINAGE SYSTEM HAS BEEN INSTALLED, COMPACTED PROPERLY, AND ALL PIPE CONNECTIONS COMPLETE.
- 7. BACKFILL ADJACENT TO PIPES AND STRUCTURES SHALL BE OF THE TYPE AND QUALITY CONFORMING TO THAT AS SPECIFIED. BACKFILL SHALL BE PLACED IN LIFTS NOT TO EXCEED 8 INCHES IN THICKNESS AND COMPACTED TO 95% OF THE MAXIMUM DRY DENSITY WITH A MOISTURE CONTENT WITHIN +/- 2% OF OPTIMUM. ALL COMPACTION IS TO BE DETERMINED BY AASHTO METHOD T-99 OR ASTM D698/1557 AND ASTM D2434 FOR IN PLACE TESTING. TESTING OF BACKFILL MATERIAL SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND WILL BE INSPECTED BY THE ENGINEER.
- 8. ALL DRAINAGE STRUCTURES AND PIPES MUST BE PROPERLY CONNECTED TO THE DRAINAGE SYSTEM PRIOR TO THE INSTALLATION OF ANY PAVEMENT. THIS INCLUDES THE STABILIZATION OF ALL DISTURBED AREAS CONTRIBUTING TO THE DRAINAGE SYSTEMS AND ANY STORMWATER DRAINAGE BASIN FLOORS AND SIDE SLOPES.
- 9. AT SUBSTANTIAL COMPLETION, ANY LOW LYING AREAS (NON-STORMWATER FEATURES) FOUND TO CREATE PONDING SHALL HAVE LOAM OR SURFACE TREATMENT REMOVED AND THE SUBGRADE MATERIAL SHALL BE REPAIRED AND REGRADED WITH GRANULAR NATIVE BACKFILL MATERIAL AFTER BACKFILL, LOAM SHALL BE REPLACED AND RESEEDED. NO TOP DRESSING SHALL BE ALLOWED. REGRADED AREAS SHALL BE HOSE TESTED TO ENSURE POSITIVE DRAINAGE AND THE PONDING PROBLEM TO BE ALLEVIATED.

## STORMWATER FACILITY OPERATION & MAINTENANCE:

- 1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSPECTION AND MAINTENANCE OF ALL EROSION CONTROL AND STORMWATER MANAGEMENT FACILITIES UNTIL THE PROJECT IS DEEMED COMPLETE BY THE OWNER AND ENGINEER.
- 2. THE CONTRACTOR SHALL INSPECT AND CLEAR ALL INLETS, MANHOLES, DRAINAGE BASINS, AND OTHER STRUCTURES OF SEDIMENT AND DEBRIS PRIOR TO THE OWNER'S ACCEPTANCE.
- 3. THE CONTRACTOR SHALL PROPERLY DISPOSE OF ALL SEDIMENT AND DEBRIS IN A PRE-APPROVED LOCATION AND IN ACCORDANCE WITH APPLICABLE LAWS.
- 4. IF REQUIRED, THE CONTRACTOR SHALL REFER TO THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) FOR INFORMATION REGARDING STORMWATER FACILITY OPERATION AND MAINTENANCE REQUIREMENTS. THE CONTRACTOR SHALL MAINTAIN A WORKING COPY OF THE SWPPP ON SITE AT ALL TIMES.
- 5. THE CONTRACTOR SHALL INSPECT ALL STORMWATER FACILITIES AFTER EVERY MAJOR RAINFALL EVENT FOR THE ENTIRE DURATION OF THE CONSTRUCTION PROJECT AND THE FIRST 3-MONTHS AFTER COMPLETION TO MONITOR SYSTEM OPERATION.

- 5. A CONSTRUCTION ENTRANCE SHALL BE CONSTRUCTED AS SHOWN IN THE DETAILS TO SHED DIRT FROM CONSTRUCTION VEHICLE TIRES. THE CRUSHED STONE PAD WILL BE REPLACED/CLEANED NEEDED TO MAINTAIN ITS EFFECTIVENESS AND RECONSTRUCTED AS NECESSARY DURING SEPARATE PHASES OF THE PROJECT.

- CONSTRUCTION PERIOD.

- THE OWNER.

### GENERAL GRADING AND DRAINAGE NOTES

1. ALL CUT AND FILL SLOPES SHALL BE 3H:1V OR FLATTER UNLESS OTHERWISE NOTED ON THE PLANS.

- 2. CONTRACTOR SHALL ADJUST AND/OR NEATLY SAWCUT EXISTING PAVEMENT AS NECESSARY TO ENSURE A SMOOTH TRANSITION AND CONTINUOUS GRADE, A CONSTRUCTION PAVEMENT TRANSITION DETAIL IS PROVIDED ON THE PLAN SET.
- 4. PROPOSED ELEVATIONS ARE SHOWN TO FINISHED PAVEMENT OR GRADE UNLESS OTHERWISE SPECIFIED.
- 6. DRAINAGE PIPING SHALL BE DOUBLE WALLED CORRUGATED PLASTIC PIPE, ADS-N12 OR EQUAL UNLESS OTHERWISE NOTED ON THE PLANS.

## **EROSION & SEDIMENT CONTROL NOTES**

1. THE SITE CONSTRUCTION FOREMAN SHALL BE RESPONSIBLE FOR THE DAILY INSPECTION AND MAINTENANCE OF ALL SEDIMENTATION AND EROSION CONTROL BARRIERS AND SHALL IMPLEMENT NECESSARY MEASURES TO CONTROL EROSION AND PREVENT SEDIMENT FROM LEAVING THE SITE.

2. THE CONTRACTOR SHALL INSTALL ALL SEDIMENTATION AND EROSION CONTROL BARRIERS AS SHOWN ON THE PLANS AND AS DETERMINED NECESSARY IN THE FIELD BY THE ENGINEER BEFORE CONSTRUCTION ACTIVITIES ARE TO BEGIN. THESE MEASURES SHALL BE INSPECTED, MAINTAINED AND REPLACED AS NECESSARY DURING THE ENTIRE CONSTRUCTION PERIOD OF THE PROJECT PERIMETER EROSION AND SEDIMENTATION CONTROL BARRIERS SHALL REPRESENT THE LIMIT OF WORK AND ALL WORKERS SHALL BE INFORMED THAT NO CONSTRUCTION ACTIVITY IS TO OCCUI BEYOND THE LIMIT OF WORK AT ANY TIME THROUGH THE CONSTRUCTION PERIOD.

3. A MINIMUM SURPLUS OF 25-FEET OF SEDIMENTATION AND EROSION CONTROL BARRIER (SILT FENCE, STRAW BALE, &/OR SILT SOCK) SHALL BE STORED ONSITE AT ALL TIMES.

4. THE CONTRACTOR SHALL PREVENT ANY SEDIMENT TRANSPORT TO THE ADJACENT PROPERTIES DURING CONSTRUCTION AND UNTIL ACCEPTANCE BY THE OWNER/ENGINEER.

6. THE LIMIT OF ALL CLEARING, GRADING AND DISTURBANCE SHALL BE KEPT TO A MINIMUM WITHIN THE PROPOSED AREA OF CONSTRUCTION. THE CONTRACTOR SHALL PHASE THE SITE WORK IN J MANNER TO MINIMIZE AREAS OF EXPOSED OR UNSTABILIZED SOIL. IF TREES ARE TO BE CUT ON THE ENTIRE SITE, ONLY THOSE AREAS WHICH ARE ACTIVELY UNDER CONSTRUCTION SHALL BE GRUBBED. THE REQUIRED SEDIMENTATION CONTROL FACILITIES MUST BE PROPERLY ESTABLISHED, CLEARLY VISIBLE AND IN OPERATION PRIOR TO INITIATING ANY LAND CLEARING ACTIVITY AN OTHER CONSTRUCTION RELATED WORK.

7. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MONITOR LOCAL WEATHER REPORTS DURING CONSTRUCTION AND PRIOR TO SCHEDULING EARTHMOVING OR OTHER CONSTRUCTION ACTIVITIES W WILL LEAVE LARGE DISTURBED AREAS UNSTABILIZED. IF INCLEMENT WEATHER IS FORECAST, THE CONTRACTOR SHALL USE THEIR BEST PROFESSIONAL JUDGEMENT WHEN SCHEDULING CONSTRUCTION ACTIVITIES AND SHALL BE RESPONSIBLE FOR ENSURING THE NECESSARY SEDIMENTATION AND EROSION CONTROL BARRIERS ARE INSTALLED AND FUNCTIONING PROPERLY TO MINIMIZE EROSION FROM ANY IMPENDING WEATHER EVENTS.

8. SOIL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE INSPECTED AND MAINTAINED ON WEEKLY BASIS AND AFTER EACH RAINFALL EVENT OF 0.25 INCH OR GREATER DURING CONSTRUCTION TO ENSURE THAT THE EROSION AND SEDIMENTATION CONTROL MEASURES ARE OPERATING/FUNCTIONING PROPERLY. IDENTIFIED DEFICIENCIES SHALL BE CORRECTED IMMEDIA AND NO LATER THAN 24 HOURS AFTER IDENTIFICATION.

9. SOIL STOCKPILES LEFT OVERNIGHT SHALL BE SURROUNDED ON THEIR PERIMETERS WITH SILT SOCK, SILT FENCE, STRAW BALES, OR A COMBINATION OF SILT FENCE WITH STRAW BALES.

10. DISTURBED AREAS AND SLOPES SHALL NOT BE LEFT UNATTENDED OR EXPOSED FOR EXCESSIVE PERIODS OF TIME SUCH AS DURING THE INACTIVE WINTER SEASON. THE CONTRACTOR SHOULD PROVIDE APPROPRIATE STABILIZATION PRACTICES ON ALL DISTURBED AREAS AS SOON AS POSSIBLE BUT NOT MORE THAN 14 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT AREA HAS TEMPORARILY OR PERMANENTLY CEASED, TEMPORARY AREAS HAVING A SLOPE GREATER THAN 4H:1V SHALL BE REINFORCED WITH EROSION BLANKETS OR APPROVED EQUAL UNTIL THE SITE I PROPERLY STABILIZED. TEMPORARY SWALES MAY ALSO BE REQUIRED IF DETERMINED NECESSARY IN THE FIELD BY THE ENGINEER.

11. THE CONTRACTOR SHALL INSTALL A SILT SACK OR APPROVED EQUIVALENT IN EACH EXISTING CATCH BASIN RECEIVING RUNOFF FROM THE SITE. UPON THE INSTALLATION OF ANY NEW CATCH BASIN RECEIVING RUNOFF FROM THE SITE. THE CONTRACTOR SHALL INSTALL A SILT SACK OR APPROVED EQUIVALENT. THESE ARE TO BE INSPECTED AFTER EACH SIGNIFICANT STORM EVENT AND EMPTIED AS NEEDED DURING THE ENTIR

12. SMALL SEDIMENTATION BASINS MAY BE CONSTRUCTED ON AN AS-NEEDED BASIS DURING CONSTRUCTION TO AID IN THE CAPTURE OF SITE RUNOFF AND SEDIMENT. IT WILL BE THE RESPONSIBIL THE CONTRACTOR, IN CONSULTATION WITH THE ENGINEER, TO SIZE AND CONSTRUCT THESE BASINS IN APPROPRIATE LOCATIONS.

13. ALL EXITS FROM THE SITE SHALL BE SWEPT AS NECESSARY, INCLUDING ANY TRACKING TO ENSURE SEDIMENT IS CONTAINED ONSITE. PAVED AREAS SHALL BE SWEPT AS NEEDED TO REMOVE SEDIMENT OR POTENTIAL POLLUTANTS WHICH MAY ACCUMULATE DURING CONSTRUCTION ACTIVITIES.

14. ACCUMULATED SEDIMENT SHALL BE COLLECTED AND DISPOSED OF IN A PRE-APPROVED LOCATION BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER.

15. THE CONTRACTOR SHALL PROVIDE ON SITE OR MAKE READILY AVAILABLE THE NECESSARY EQUIPMENT AND SITE PERSONNEL DURING CONSTRUCTION HOURS FOR THE DURATION OF THE PROJ ENSURE ALL EROSION AND SEDIMENTATION CONTROL DEVICES ARE PROPERLY MAINTAINED AND REPAIRED IN A TIMELY AND RESPONSIBLE MANNER. IF SITE WORK IS SUSPENDED DURING THE MONTHS THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE PERSONNEL AND EQUIPMENT EITHER ON SITE OR MAKE READILY AVAILABLE TO ENSURE ALL EROSION AND SEDIMENTATION CONTR DEVICES ARE PROPERLY MAINTAINED AND REPAIRED IN A TIMELY AND RESPONSIBLE MANNER.

16. IF DEWATERING IS NECESSARY DURING CONSTRUCTION, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO IMPLEMENT PROPER MEASURES INCLUDING DEWATERING BAGS, TEMPORAR STRAW BALES, SILT FENCES, SILT SOCKS AND/OR OTHER APPROVED DEVICES. THE DEWATERING MEASURES SHALL BE APPROVED BY THE ENGINEER. DEWATERING BASINS SHALL NOT BE CONSTRUCTED WITHIN ANY RESOURCE AREAS OR BUFFER ZONES.

17. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CONTROL DUST BY WATERING OR OTHER APPROVED METHODS AS NECESSARY, OR AS DIRECTED BY THE ENGINEER AT NO EXTRA CO

18. THE CONTRACTOR SHALL ROUTINELY INSPECT THE PERIMETER OF THE SITE PROPERTY TO GATHER AND REMOVE CONSTRUCTION DEBRIS BEFORE IT LEAVES THE SITE. ALL DEMOLITION DEBRIS BE PROMPTLY REMOVED FROM THE SITE AND PROPERLY DISPOSED OF. ALL TRUCKS AND CONTAINERS LEAVING THE SITE SHALL BE COVERED.

19. BURIAL OF ANY STUMPS, SOLID DEBRIS, AND/OR STONES/BOULDERS ONSITE IS PROHIBITED UNLESS OTHERWISE INDICATED BY THE ENGINEER. NO ROAD SALT, SAND, OR OTHER DE-ICING CHEM SHALL BE USED ON THE ACCESS ROADWAYS.

20. THE CONTRACTOR IS RESPONSIBLE FOR ROUTINE INSPECTION AND MAINTENANCE DURING CONSTRUCTION OF ALL STORMWATER FACILITIES INSTALLED OR IMPACTED BY THE PROJECT. ANY SEDIMENT OR DEBRIS COLLECTED WITHIN THESE FACILITIES FROM THE PROJECT WORK SHALL BE REMOVED PRIOR TO THE OWNER'S ACCEPTANCE.

21. SEDIMENTATION AND EROSION CONTROL BARRIERS AND INSPECTION REQUIREMENTS SHALL BE IN ACCORDANCE WITH ANY TOWN PERMIT CONDITIONS AND INPUES CONSTRUCTION GENERAL PERMIT. 22. SLOPES EQUAL OR GREATER THAN 2H:1V SHALL BE HYDROSEEDED THEN STABILIZED WITH EROSION CONTROL FABRIC UNLESS NOTED OTHERWISE ON THE PLANS.

## BASIC CONSTRUCTION SEQUENCE

- 4. SURVEY AND STAKE OUT CLEARING LIMITS AND ACCESS DRIVEWAY

- UN-STABILIZED.
- 9
- GROWING SEASON.
- ALL PIPE CONNECTIONS ARE COMPLETE.
- 14. COMPLETE ALL REMAINING PLANTING, SEEDING, AND FENCING.
- STABILIZATION.

SURVEY AND DELINEATE THE PROPOSED LIMIT OF DISTURBANCE AND LIMIT OF PERIMETER EROSION AND SEDIMENTATION CONTROL BARRIERS.

STAKE OUT THE LOCATIONS FOR EROSION AND SEDIMENTATION CONTROL BARRIERS (STRAW BALES, SILT FENCE, ETC.) AND INSTALL ACCORDING TO THE PLANS AND ANY APPLICABLE CITY PERMITS. IN NO CASE IS THE LIMIT OF WORK TO EXTEND BEYOND THE EROSION AND SEDIMENTATION CONTROL BARRIERS WHICH REPRESENTS THE LIMIT OF DISTURBANCE AS SHOWN ON THE APPROVED PROJECT PLANS. INSTALL SILT SACS AND HAVE EROSION AND SEDIMENTATION CONTROL BARRIERS INSPECTED BY ENGINEER AND ANY TOWN DEPARTMENTS. IF NECESSARY.

INSTALL TEMPORARY CONSTRUCTION ENTRANCES ONLY IN LOCATIONS INDICATED ON PLANS. NO OTHER ENTRANCES SHALL BE USED TO GAIN ACCESS TO THE SITE BY ANY CONSTRUCTION OR DELIVERY VEHICLES.

BEGIN NECESSARY CLEARING, GRUBBING, TREE REMOVAL, AND SITE PREPARATION.

6. INSTALL TEMPORARY CONVEYANCE DEVICES (SWALES, PIPES, ETC.) AS NECESSARY TO CONVEY RUNOFF TO TREATMENT AREAS.

BEGIN ROUGH SITE GRADING AND BRING TO SUBGRADE ELEVATIONS. WORK SHALL PROGRESS DILIGENTLY TO MINIMIZE TIME SOILS ARE

BEGIN TO CONSTRUCT BUILDING, WALL, STORMWATER MANAGEMENT SYSTEM, AND UTILITIES. ANY EROSION CONTROL DEVICE DISTURBED DURING THE UNDERGROUND UTILITY CONSTRUCTION SHALL BE IMMEDIATELY REPAIRED OR REPLACED IN KIND AND STABILIZED. MODIFY TEMPORARY CONVEYANCE DEVICES AS NECESSARY TO CONVEY RUNOFF TO TREATMENT AREAS.

DO NOT OVER COMPACT SOILS IN AREAS OF PROPOSED INFILTRATION AND AVOID INFILTRATION AREAS WITH CONSTRUCTION EQUIPMENT CONTRACTOR RESPONSIBLE FOR OVER EXCAVATION OF INFILTRATION AREAS IF CONSTRUCTION TRAFFIC ROUTES OCCUR THROUGH PROPOSED INFILTRATION AREAS. PARTICULAR CARE SHALL BE TAKEN TO PROTECT THE UNDERGROUND DRAINAGE BASINS FROM SEDIMENT

10. PERMANENTLY SEED ALL DISTURBED AREAS OUTSIDE OF THE AREA TO BE PAVED. SEEDING SHALL OCCUR WITHIN EITHER THE SPRING OR FALL

11. ONCE ALL UNDERGROUND UTILITIES HAVE BEEN CONSTRUCTED, PLACE COMPACTED GRAVEL FOUNDATION AND ROUGH GRADE THE ROADWAYS/PARKING AREAS IN ACCORDANCE WITH THE SITE PLANS AND IN ACCORDANCE WITH APPLICABLE STATE AND LOCAL REGULATIONS.

12. BEGIN DRIVEWAY, PARKING, MILLINGS YARD CONSTRUCTION PER SITE PLANS AND IN ACCORDANCE WITH APPLICABLE STATE AND LOCAL REGULATIONS. DRIVEWAY AND PARKING AREAS ARE NOT TO BE PAVED UNTIL THE ENTIRE PERMANENT DRAINAGE SYSTEM HAS BEEN INSTALLED AND

13. FINISH PERMANENT STABILIZATION; SWEEP THE DRIVEWAY TO REMOVE ALL SEDIMENTS; THE CONTRACTOR SHALL CLEAN AND FLUSH THE DRAINAGE STRUCTURES AND PIPES AT THE END OF CONSTRUCTION AND ALL ACCUMULATED SEDIMENTS IN THE DRAINAGE BASINS SHALL BE REMOVED. CONTRACTOR SHALL INSPECT THE DRAINAGE NETWORK AND REPAIR ANY DAMAGE IMMEDIATELY.

15. REMOVAL OF ALL TEMPORARY SOIL EROSION AND SEDIMENTATION CONTROL MEASURES FOLLOWING VEGETATIVE ESTABLISHMENT OF ALL DISTURBED AREAS SHALL BE APPROVED BY THE ENGINEER AND THE TOWN, IF APPLICABLE AND WHEN THE CONTRIBUTING AREA HAS REACHED A MINIMUM OF 80%

IEGEND

WATERSHED AREAS

DETAILS

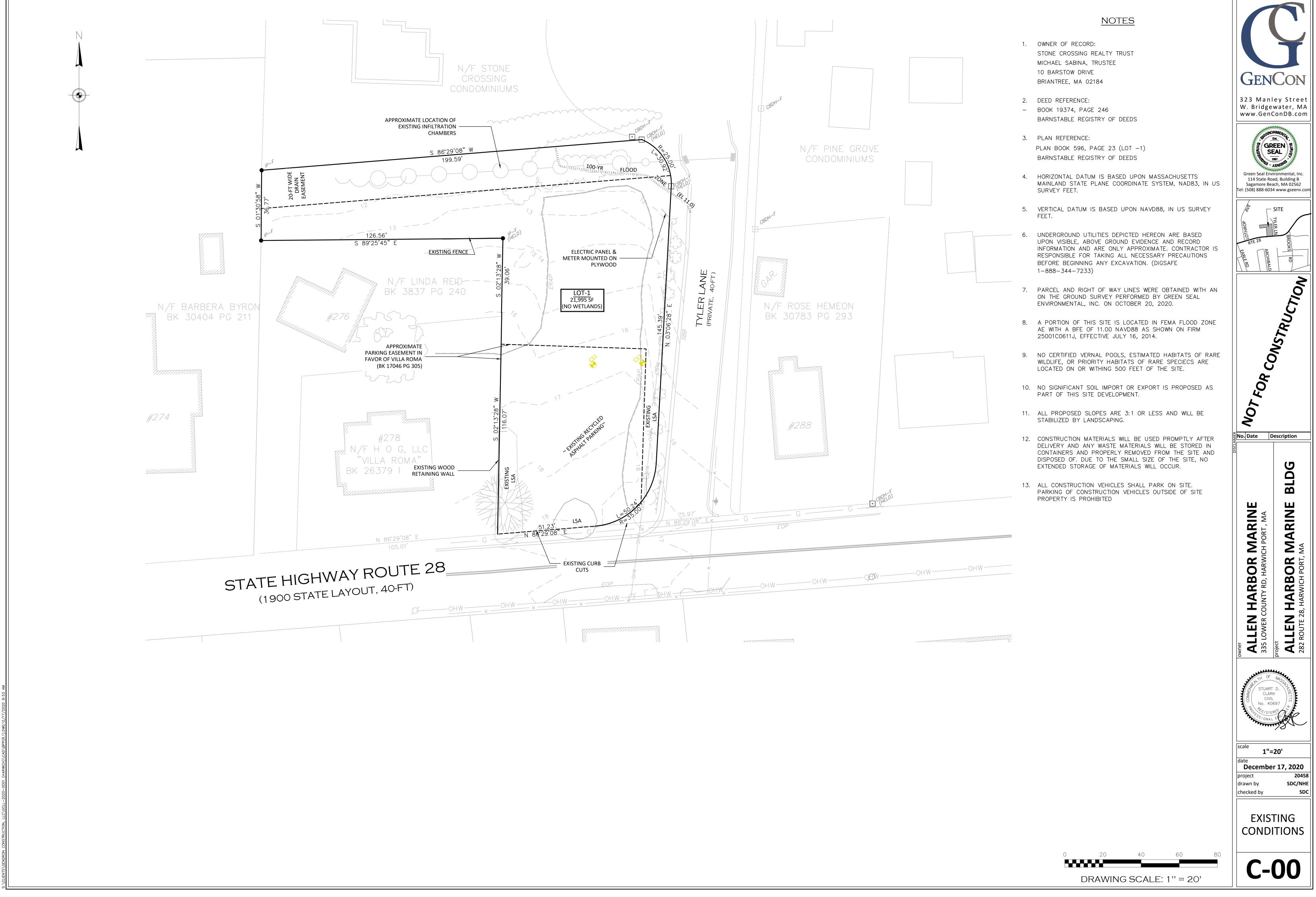
	LEGEND	)	
		CATCH BASIN	
		CONCRETE	
		CONCRETE BOUND WITH DRILL HOLE	
IT ALL	EOP E	EDGE OF PAVEMENT	
RE ANY	ERAP E	EDGE OF RECYCLED ASPHALT PAVEMENT	
UR	EM	ELECTRIC METER	
	<b>— — —</b> E	EROSION CONTROL BARRIER	D
	— — 18 — — E	EXISTING CONTOUR	
ED AS	······ F	LOOD ZONE LIMIT	
NA AND/OR	F F	OUND	
WHICH	c c c (	GAS LINE	
ю	- <b>-</b>	HYDRANT	
		RON PIN	
DIATELY	LSA L	ANDSCAPED AREA	
LD	онw	OVERHEAD WIRE	
EIS	F	PROPERTY LINE	
BASIN, FIRE	18F	PROPOSED CONTOUR	owner
BILITY OF	S	SOIL CLASS BOUNDARY	Ň
	+ т	TEST PIT	
		JTILITY POLE	
DJECT TO E WINTER TROL	LIST OF	DRAWINGS	
ARY	DRAWING	SHEET	S
COST TO	GENERAL NOTES EXISTING CONDITIONS	G-00 C-00	d p
RIS SHALL	SITE PLAN UTILITIES PLAN	C-01 C-02	d c
EMICALS	ON-SITE SANITARY DISPOSA EROSION CONTROL PLAN		

C-05

D-00

OF EXISTING UTILITY SERVICES IN THE FIELD PRIOR TO CONSTRUCTION.

## GENCON 323 Manley Street W. Bridgewater, MA www.GenConDB.com ANNRONME ? GREEN SEAL 1997 reen Seal Environmental, Inc 114 State Road, Building B Sagamore Beach, MA 02562 el: (508) 888-6034 www.gseenv.co — SITE CONSTRUCTION No. Date Description Ω ш RIN 2 4 Σ **DR** PORT. K HARB( Ω **~** I ALLEN 282 ROUTE 28 ۳ <mark>ک</mark> **A** NTS December 17, 2020 SDC/NHE drawn bv SDC checked by GENERAL NOTES AND LEGEND CONTRACTOR TO VERIFY ACTUAL LOCATION

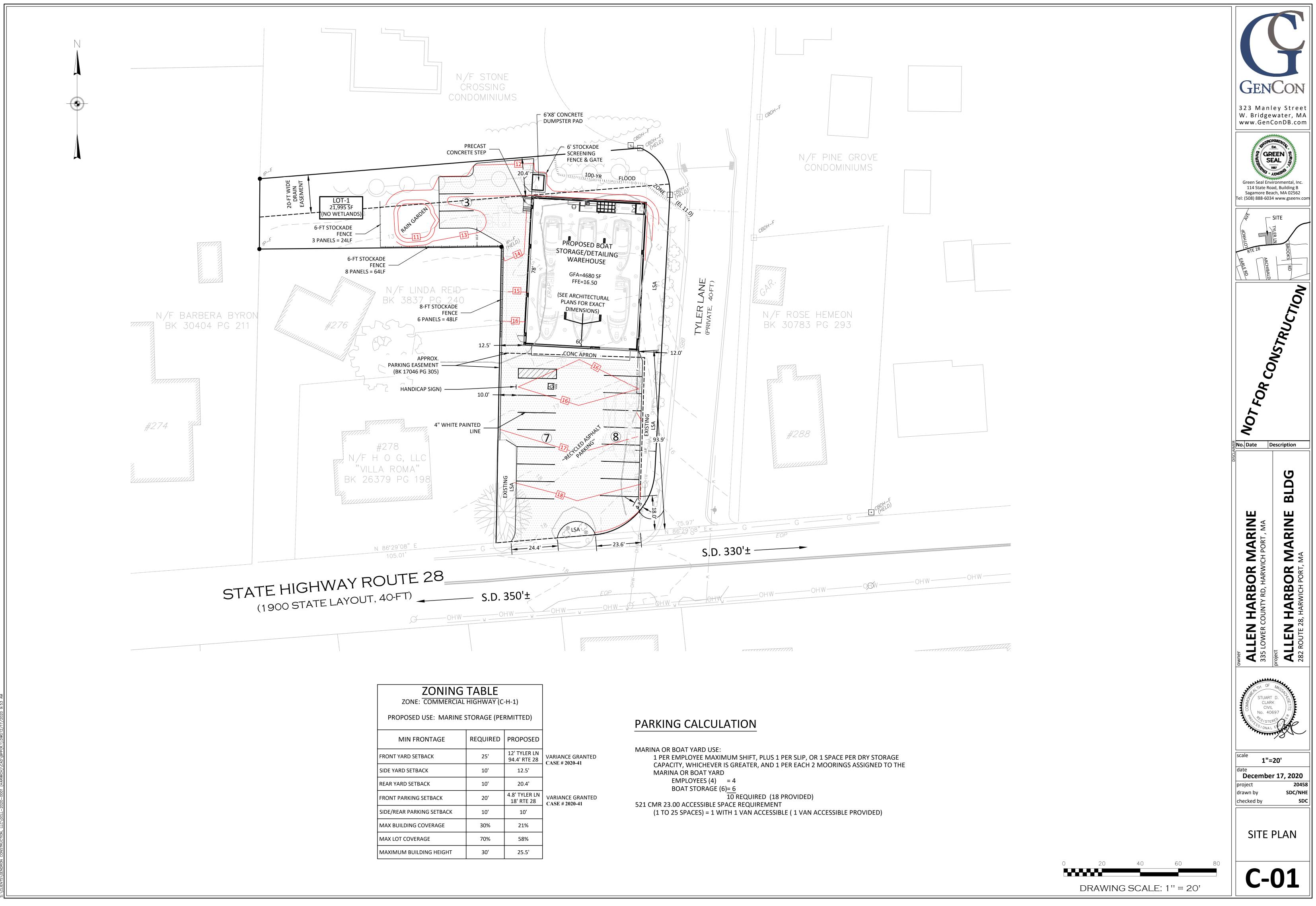


ALLEN HARBOR MARINE 282 ROUTE 28, HARWICH PORT, MA ALLEN 335 LOWER CC CLAR 1"=20' December 17, 2020 20458 SDC/NHE drawn by SDC checked by EXISTING CONDITIONS **C-00** 

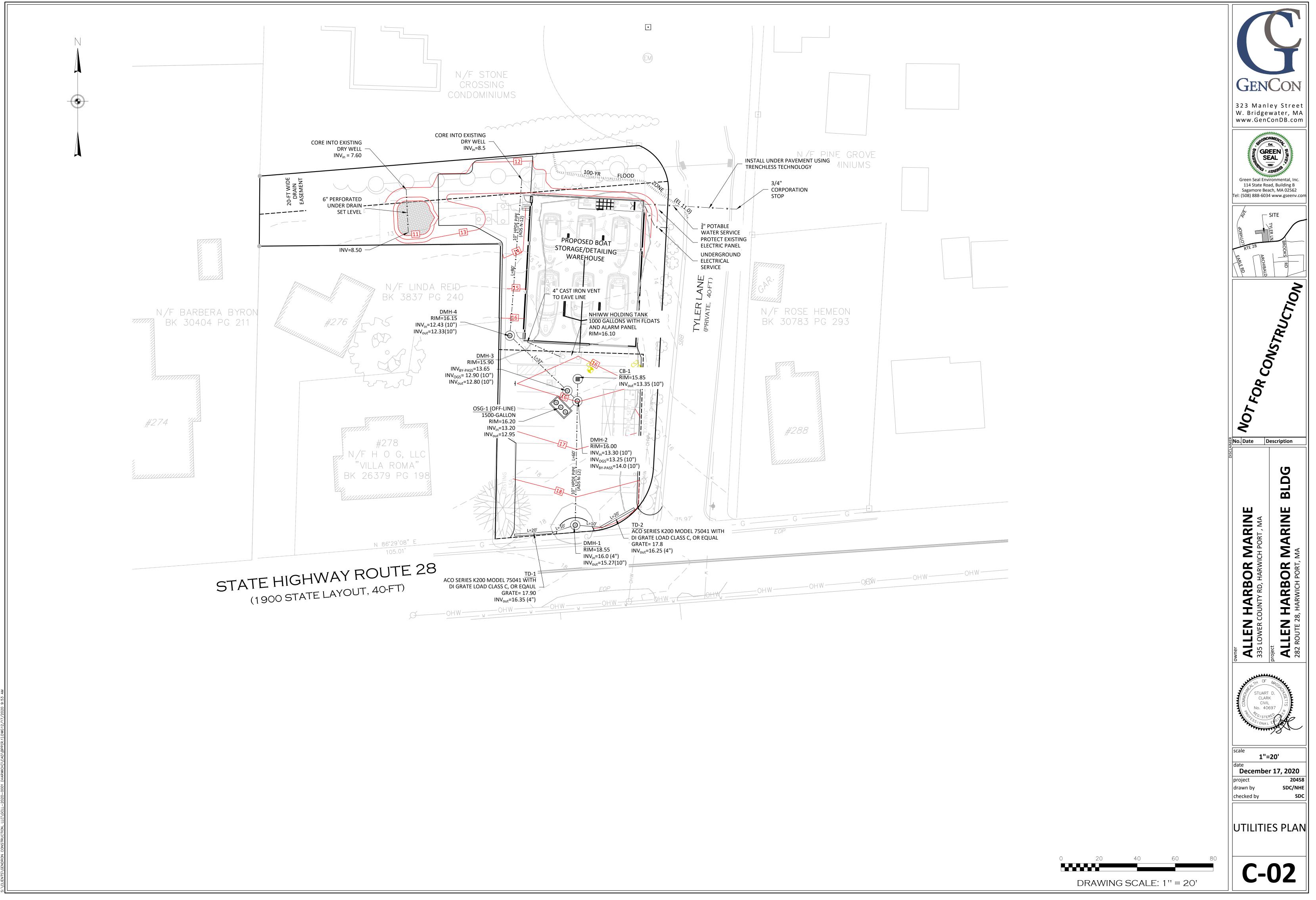
BLDG

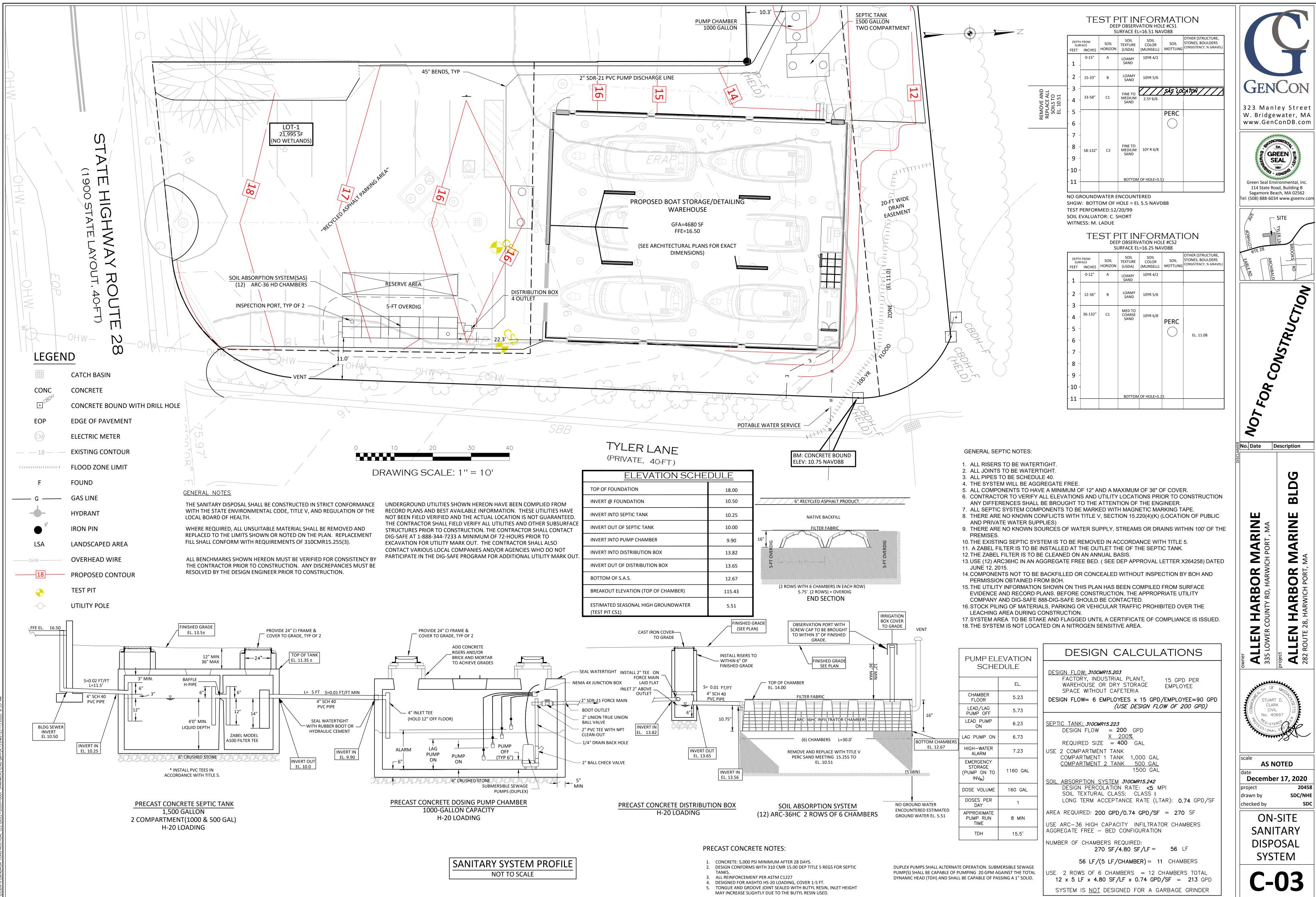
HINDRONMENT

THE REAL PROPERTY IN THE REAL PROPERTY INTO THE REAL PR

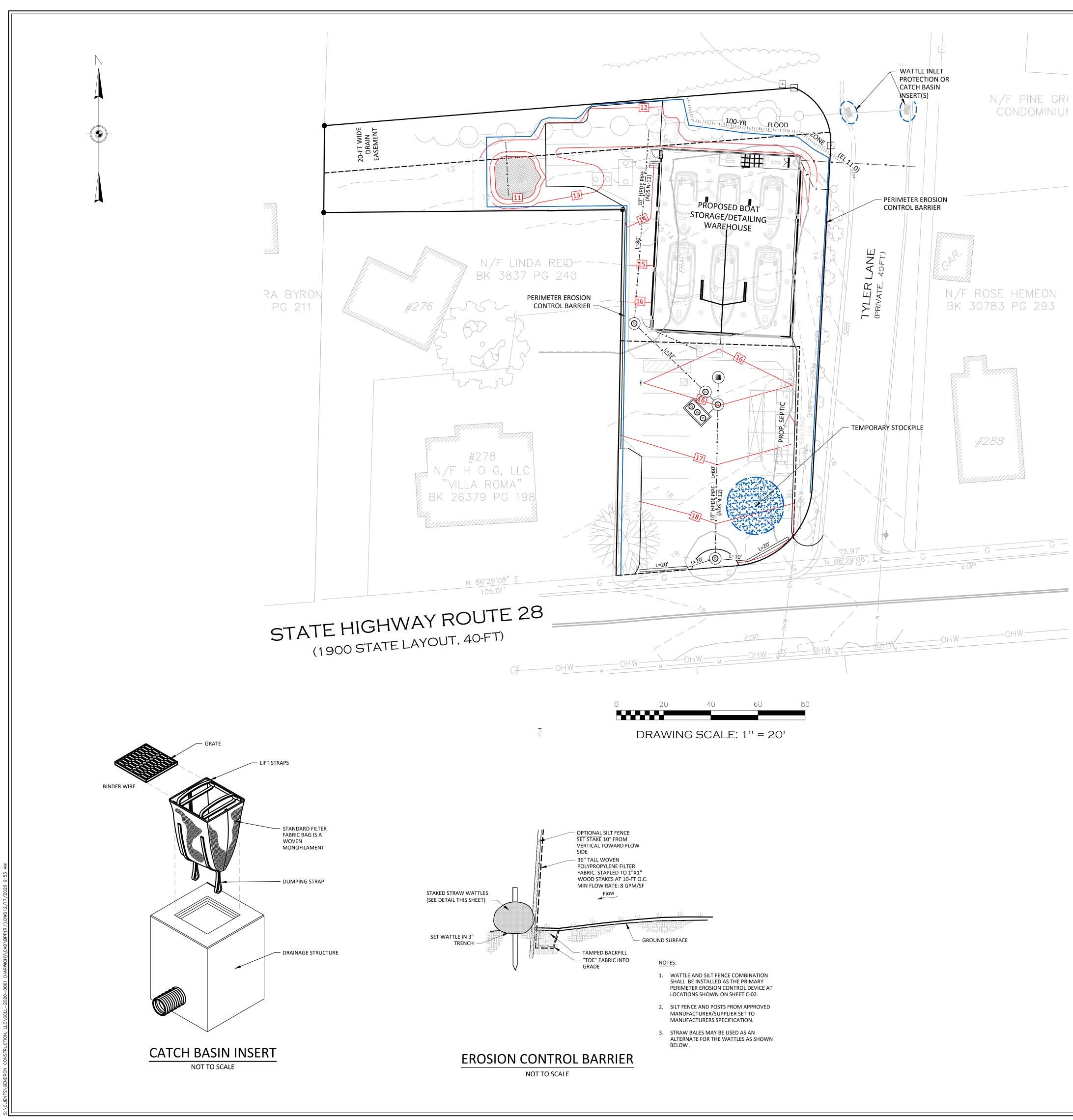


USE: MARINE S			
ONTAGE	REQUIRED	PROPOSED	
BACK	25'	12' TYLER LN 94.4' RTE 28	VARIANCE GRA CASE # 2020-41
СК	10'	12.5'	
КСК	10'	20.4'	
SETBACK	20'	4.8' TYLER LN 18' RTE 28	VARIANCE GRA CASE # 2020-41
NG SETBACK	10'	10'	
OVERAGE	30%	21%	
GE	70%	58%	
ING HEIGHT	30'	25.5'	



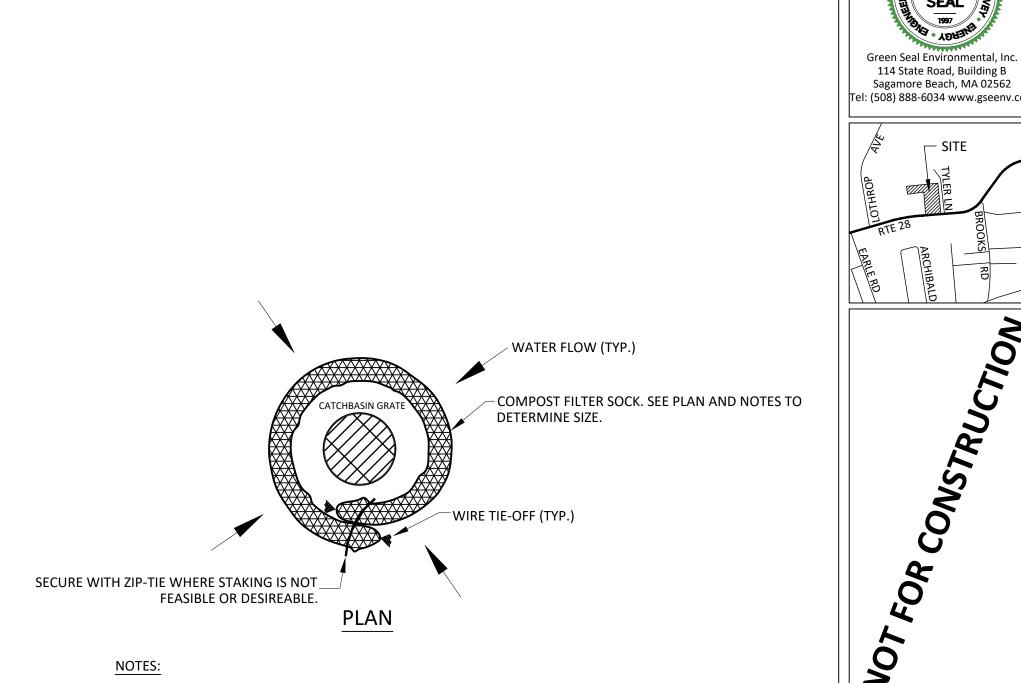


ENDRON CONSTRUCTION, LLC\GCLL-2020-0001 (HARWICH)\CAD\BPP(R.1).DWG12/17/2020 9:53 /



### GENERAL CONSTRUCTION SEQUENCE

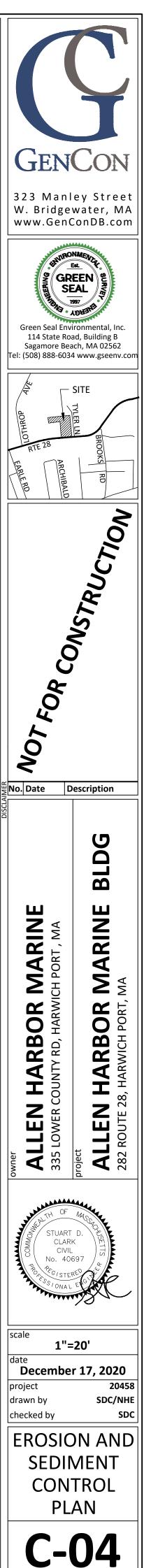
- INSTALL PERIMETER EROSION CONTROL MEASURES AND CATCH BASIN CONTROLS.
- INSTALL TEMPORARY CONSTRUCTION FENCE IF DESIRED. SCRAPE AND STOCKPILE EXISTING RECYCLED ASPHALT PAVEMENT. RING WITH WATTLE EROSION CONTROL. 4. EXCAVATE AND INSTALL RAIN GARDEN INCLUDING DRAIN PIPE CONNECTIONS TO EXISTING INFILTRATION.
- EXCAVATE AND INSTALL SEPTIC TANK AND PUMP CHAMBERS.
- EXCAVATE AND INSTALL BUILDING FOUNDATION. CONSTRUCT BUILDING.
- 7. EXCAVATE AND INSTALL REMAINING STORMWATER PIPING AND STRUCTURES, REMAINING SEPTIC COMPONENTS, AND UTILITY CONNECTIONS.
- 8. SPREAD AND AUGMENT RECYCLED ASPHALT PAVEMENT AS NECESSARY. ROLL AND COMPACT. 9. FINAL GRADING AND LANDSCAPING.
- 10. REMOVE EROSION CONTROLS AFTER SOILS ARE STABILIZED.



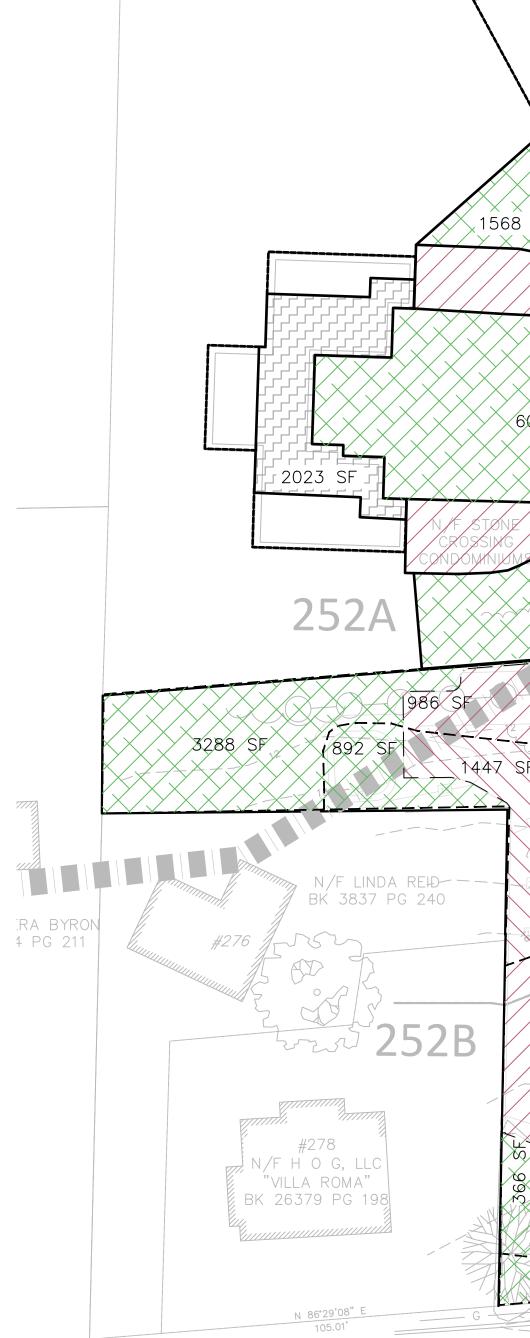
- 1. OVERLAP ENDS OF SOCK PER MANUFACTURERS
- RECOMMENDATIONS ONE FOOT MINIMUM, 3 FEET MAXIMUM.
- 2. USE 8"-12" DIA. SOCK IN CURBSIDE OR TRAFFICED AREAS.
- 3. USE 12"-18" DIA. SOCK IN NON-TRAFFICED AREAS.
- 4. INSPECT AND MAINTAIN THROUGHOUT CONSTRUCTION. 5. SOCK AND COMPOST MATERIAL TO BE REMOVED FROM SITE WHEN CONSTRUCTION IS COMPLETE.

### WATTLE INLET PROTECTION NOT TO SCALE

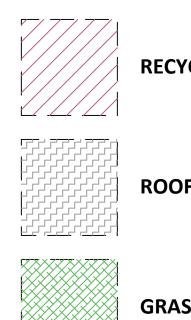




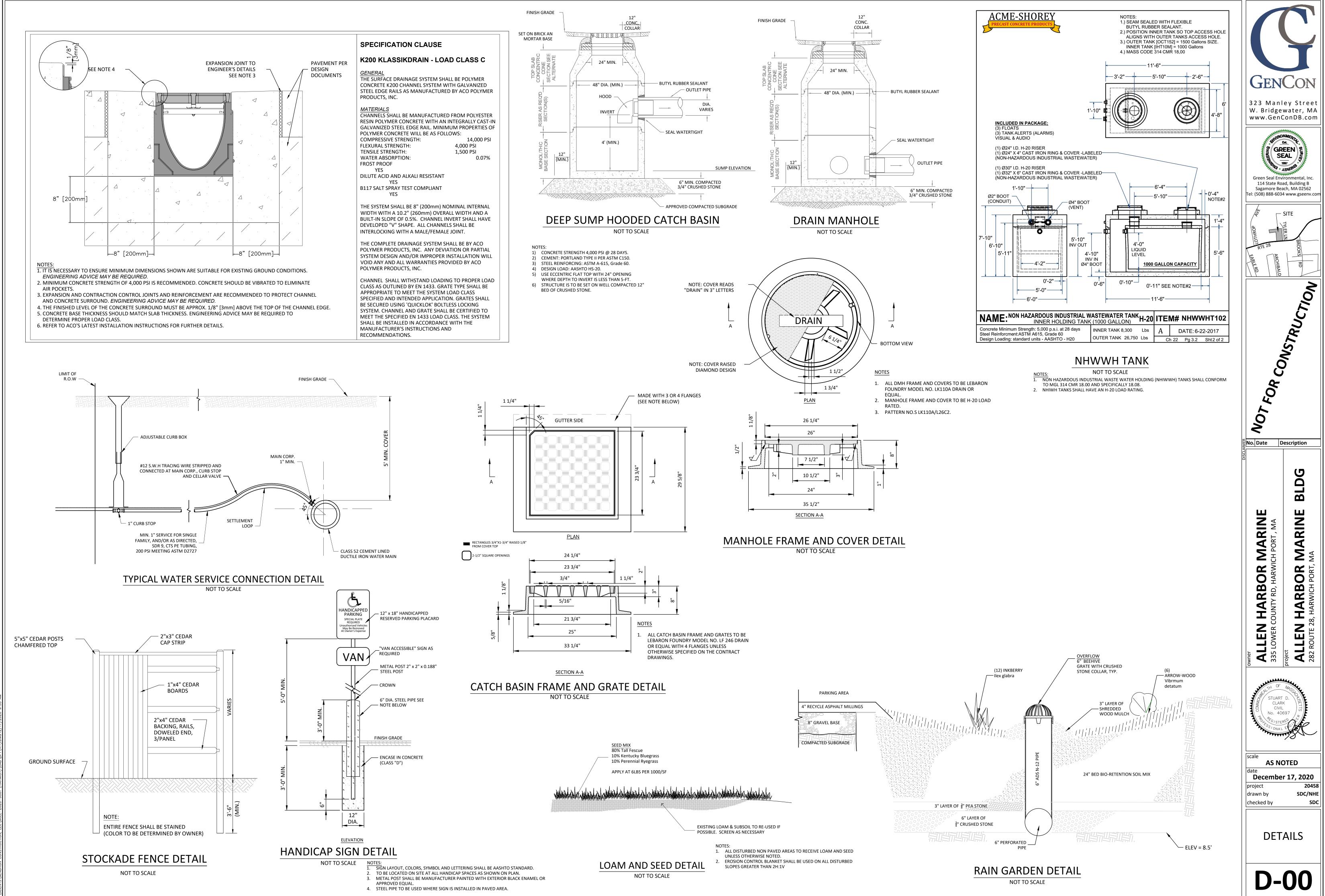




## **POST DEVELOPMENT V**



1565 5F   1568 5F   1569 5F   1570 5F   1580 5F	ADDITION TO ADDITIONALD	ey Street water, MA on DB.com
AVDA REED TO PG 240 AV75 SF 252B 6014 SF 6014 SF 6014 SF 2259 SF 2250 SF 2050 SF 20	LEN HARBOR MARINE	ALLEN HARBOR MARINE BLDG 282 ROUTE 28, HARWICH PORT, MA
LOPMENT WATERSHED AREAS RECYCLED APHLALT PRODUCT (CN 96)	scale scale 1"=5	SP7 SFITS A STATE
Image: Second	December project drawn by checked by WATEF ARE	20458 SDC/NHE SDC
0 30 60 90 DRAWING SCALE: 1'' = 3	120 O <sup>r</sup>	05



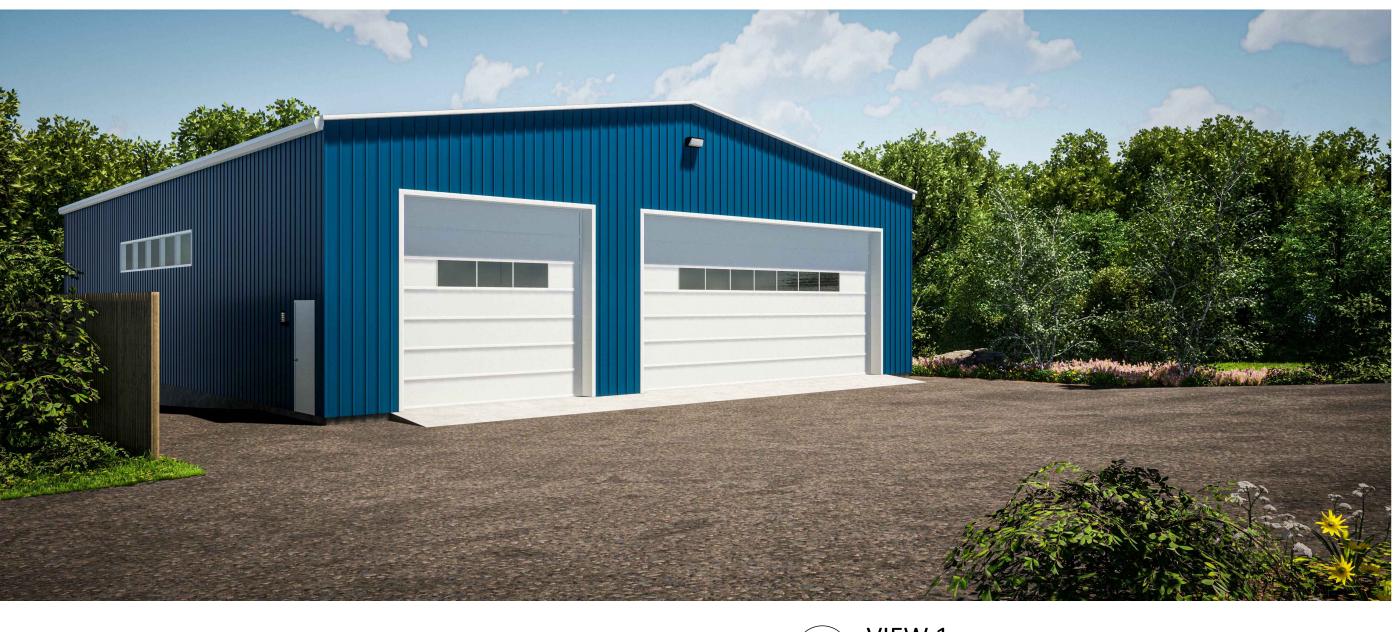






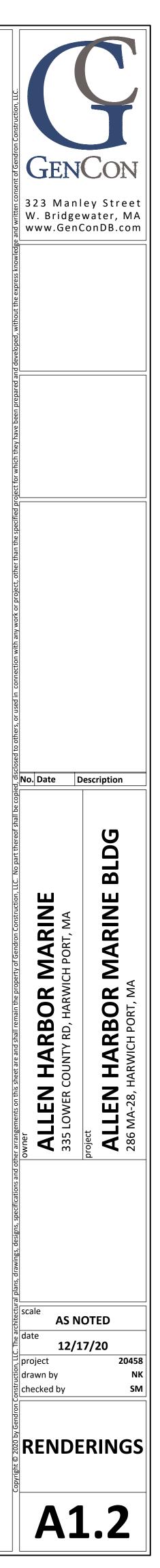


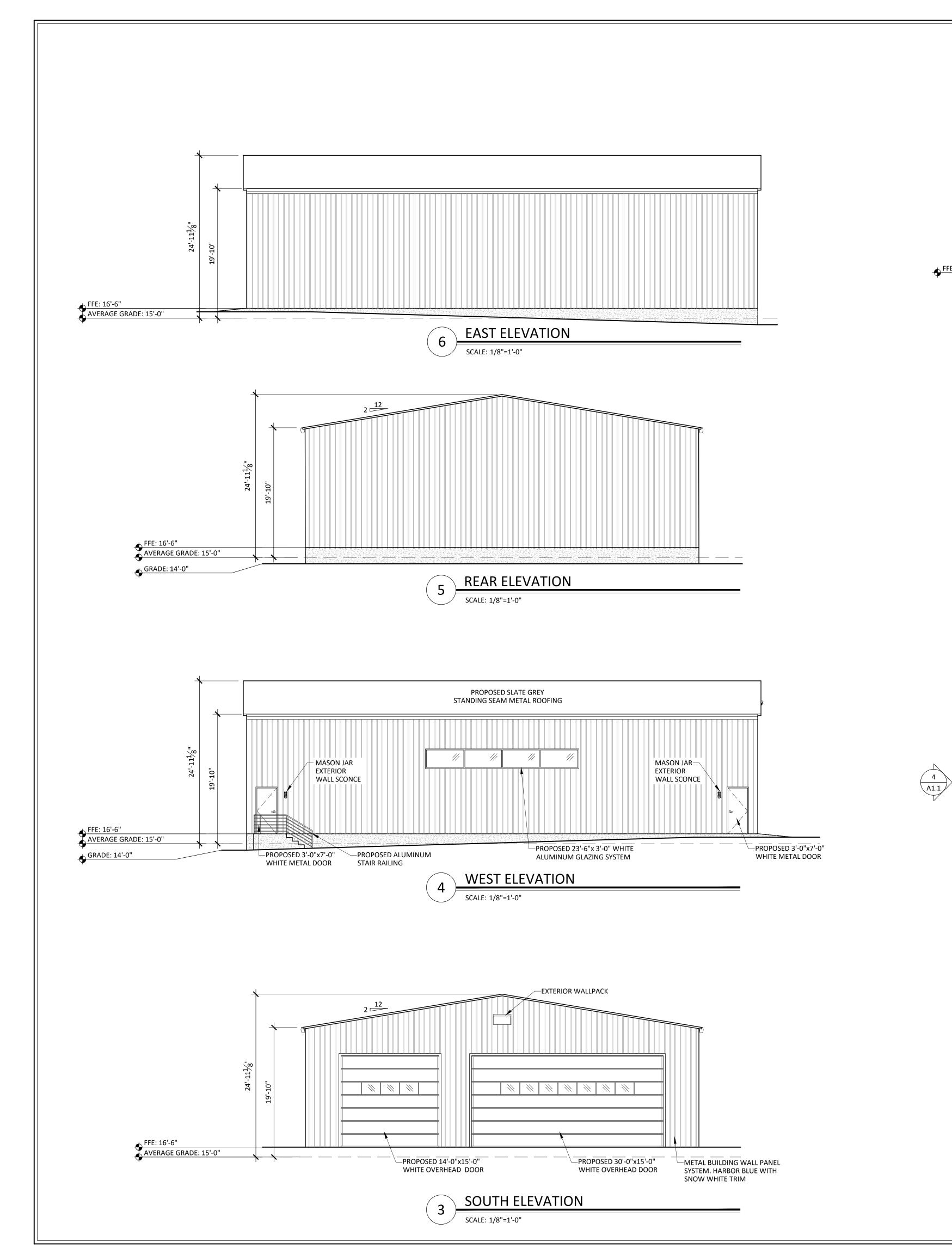


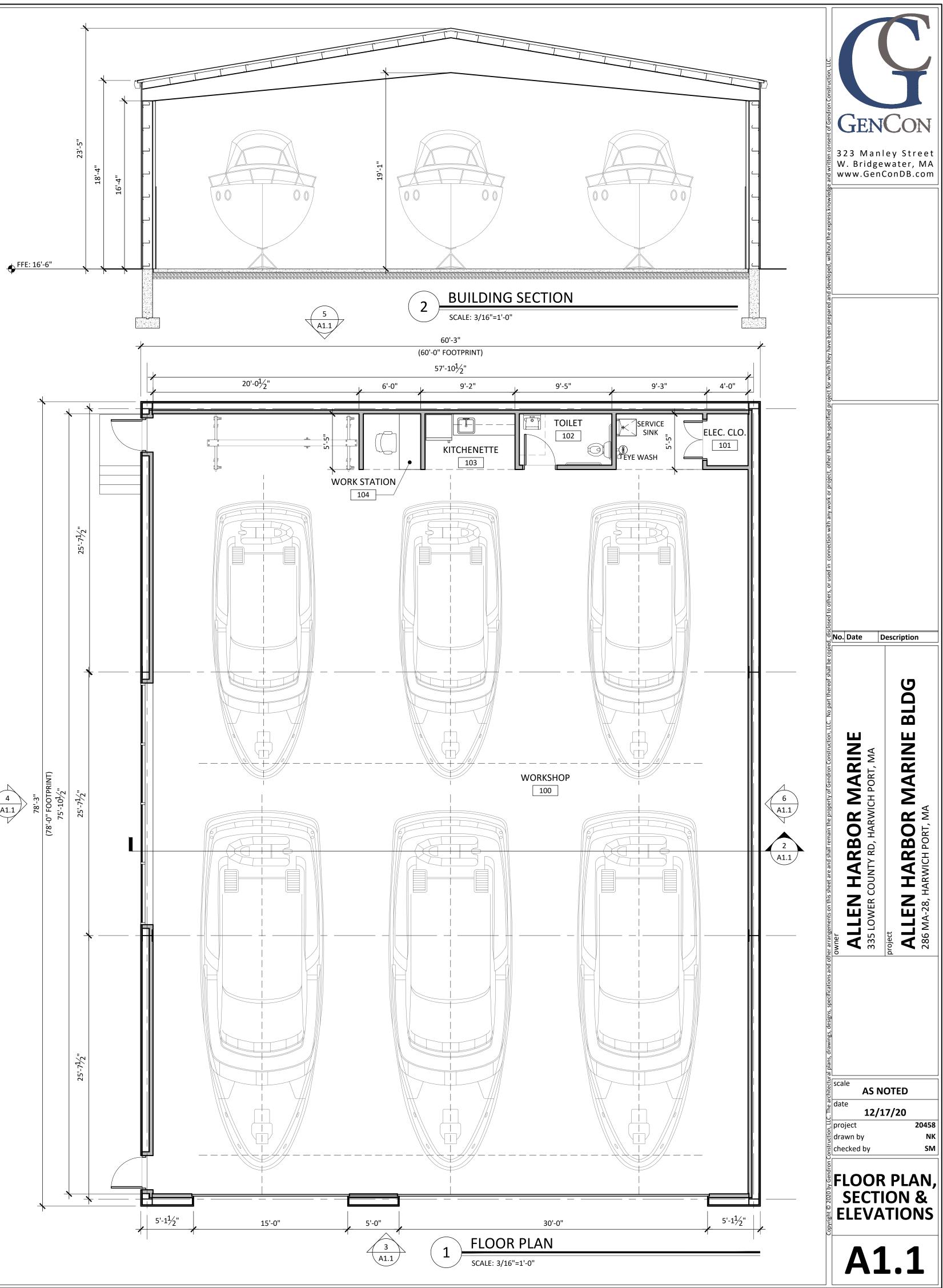




1 VIEW 1 1 SCALE: NOT TO SCALE







Please note that a Stormwater Report and Erosion Control Plan were also submitted with this application. Due to the length of the document it is not included in this online application. If you would like a copy of the Stormwater Report and Erosion Control Plan please contact Elaine Banta at <u>ebanta@town.harwich.ma.us</u> or 508-430-7511.

Thanks